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S6	2778636	REPORT? OR DOCUMENT? OR RECORD? OR MATRIX OR MATRICES OR CHART? ? OR GRAPH? OR ILLUSTRAT? OR REPRESENTATION? OR DEPICT? OR PORTRAY? OR TABLE? OR TABULAR? OR DISPLAY? OR MANIFEST? OR VISUAL? OR EXHIBIT? OR ILLUMINAT?
S7	339485	INTERNET OR WWW OR WEB OR URL OR UNIFORM()RESOURCE()LOCATOR? OR (DISTRIBUTED OR INTERACTIVE) ()(NETWORK? OR SYSTEM?) OR LAN OR WAN OR VIRTUAL? OR CYBER? OR PORTAL? OR MESH OR ETHERNET? OR INTRANET? OR TOKEN()RING?
S8	0	(S1 OR S2) AND (S3(5N)S4) AND S5 AND S6 AND S7
S9	63	(S1 OR S2) AND (S3(5N)S4)
S10	3	S9 AND (IC=(G06F-017/30 OR G06F-007/00 OR G06F-000/00 OR G06F-001/00) OR MC=(T01-E04 OR T01-J03 OR T01-J04A OR T01-J04B-2))
S11	28	(S1 OR S2) (S) (S3(5N)S4) NOT S10
S12	2	((S1 OR S2) AND (S4(5N)S5) AND S7) NOT (S10 OR S11)
S13	34	((S1 OR S2) AND S4 AND S6 AND S7) NOT (S10 OR S11 OR S12)
S14	3	((S1 OR S2) AND S4 AND S5 AND S7) NOT (S10 OR S11 OR S12 OR S13)

10/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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02309326 **Image available**
ROUNDING AND NORMALIZING CIRCUIT FOR FLOATING POINT

PUB. NO.: 62-226226 [JP 62226226 A]
PUBLISHED: October 05, 1987 (19871005)
INVENTOR(s): NUKIYAMA TOMOJI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 61-070117 [JP 8670117]
FILED: March 27, 1986 (19860327)
INTL CLASS: [4] G06F-007/38; **G06F-007/00** ; G06F-007/50
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 680, Vol. 12, No. 93, Pg. 78, March
26, 1988 (19880326)

ABSTRACT

PURPOSE: To perform the addition processing caused by the subtraction rounding processing at an exponent part just with a single circuit by constituting this circuit so that the complement of 2 is delivered for the data on the shift mount of a mantissa part in the normalization processing. CONSTITUTION: A control signal generating circuit 1 decodes the bit pattern of a mantissa part and supplies the control signal 13 of the shift value to a normalizing circuit 2. A barrel shifter 2 delivers higher 17 bits after the normalizing processing. Then a **pattern detecting** circuit 3 judges the round-up or the round-off in response to a lower bit pattern. In a rounding processing 4, higher 16 bits of the output of the shifter 2 are added with the output of the circuit 3. A normalizing/rounding processing circuit 8 for data on an exponent part **contains** an **addition** circuit which supplied the data 12 on the exponent part to be normalized, the output 14 of an encoder 7 and the output of an overflow detecting circuit 5.

10/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015079111 **Image available**
WPI Acc No: 2003-139629/200313
XRPX Acc No: N03-110939

Temporal data mining system for online services, counts and determines temporal pattern instances based on set procedure or sequential algorithm to perform event caching
Patent Assignee: IBM CORP (IBMC)
Inventor: HELLERSTEIN J L; MA S; PERNG C
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20020174083 A1 20021121 US 2001860154 A 20010517 200313 B

Priority Applications (No Type Date): US 2001860154 A 20010517

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20020174083 A1 19 G06F-017/30

Abstract (Basic): US 20020174083 A1

NOVELTY - The detector counts occurrence of temporal pattern instances, to identify specific instance, based on the quick/no-reuse procedure or sequential **algorithms** . The events are cached **within** set time slots, based on the instance identification.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Temporal data mining method; and
- (2) Temporal data mining program storage device.

USE - For temporal data mining in online transaction services through Internet. Also for managing complex system including computer networks.

ADVANTAGE - Optimizes data scan and memory usage, due to use of sequential counting algorithm. Facilitates efficient identification of instances even in case of large amount of events, by avoiding redundant comparison of data structures.

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory drawing of online event mining.

pp; 19 DwgNo 1/13

Title Terms: TEMPORAL; DATA; MINE; SYSTEM; SERVICE; COUNT; DETERMINE; TEMPORAL; PATTERN; INSTANCE; BASED; SET; PROCEDURE; SEQUENCE; ALGORITHM; PERFORMANCE; EVENT

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-007/00 ; G06F-017/00;

G06N-005/02

File Segment: EPI

10/5/3 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014821725 **Image available**

WPI Acc No: 2002-642431/200269

XPX Acc No: N02-507786

Relational database system for analyzing and integrating knowledge patterns extracted from data sets, extracts query based records from data repository regardless of format, and integrates extracted records

Patent Assignee: SILICO INSIGHTS INC (SILI-N); HATZIS C (HATZ-I); PADUKONE N (PADU-I)

Inventor: HATZIS C; PADUKONE N

Number of Countries: 096 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020091680	A1	20020711	US 2000228830	A	20000828	200269 B
			US 2000242098	A	20001020	
			US 2001764724	A	20010118	
WO 200235392	A2	20020502	WO 2001US32483	A	20011022	200269
AU 200213358	A	20020506	AU 200213358	A	20011022	200269

Priority Applications (No Type Date): US 2001764724 A 20010118; US 2000228830 P 20000828; US 2000242098 P 20001020

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020091680	A1	16	G06F-007/00	Provisional application	US 2000228830

Provisional application US 2000242098

WO 200235392 A2 E 31 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200213358 A G06F-017/30 Based on patent WO 200235392

Abstract (Basic): US 20020091680 A1

NOVELTY - Data repository stores data from several sources in several formats. A data analyzer receives query and extracts query based records from the data repository regardless of format. The records are integrated by an integration module to generate single-format integrated information set which is presented by a

presentation module.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for integrated data presenting method.

USE - For analyzing and integrating knowledge patterns extracted from data sets such as research, clinical study, clinical trial, drug interaction, drug testing, drug safety and drug efficacy data.

ADVANTAGE - Enables efficient integration of search results across multiple sessions without the requirement for re-analysis of the previous **integrated** data. Facilitates provision of **algorithms** to produce cumulative results from sequential analysis. Enables efficient storage, retrieval and analysis of integrated data. Hence, **pattern recognition** and the problems are solved efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the relational database system.

pp; 16 DwgNo 1/8

Title Terms: RELATED; DATABASE; SYSTEM; INTEGRATE; PATTERN; EXTRACT; DATA; SET; EXTRACT; QUERY; BASED; RECORD; DATA; REPOSITORY; FORMAT; INTEGRATE; EXTRACT; RECORD

Derwent Class: T01

International Patent Class (Main): G06F-007/00 ; G06F-017/30

File Segment: EPI

11/5/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
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07255338 **Image available**
RECOGNIZING METHOD FOR MAGNETIC PATTERN, INFORMATION RECORDING MEDIUM,
MAGNETIC PATTERN RECOGNIZING DEVICE AND COMPOSITE PROCESSOR

PUB. NO.: 2002-123797 [JP 2002123797 A]
PUBLISHED: April 26, 2002 (20020426)
INVENTOR(s): TAKIGUCHI YUJI
APPLICANT(s): SEIKO EPSON CORP
APPL. NO.: 2000-315823 [JP 2000315823]
FILED: October 16, 2000 (20001016)
INTL CLASS: G06K-009/20; G06K-007/08; G06K-009/00; G06K-009/62;
G07D-007/00; G07D-007/04

ABSTRACT

PROBLEM TO BE SOLVED: To provide the recognizing method of a magnetic pattern for generating an integrated waveform from the obtained detected magnetic waveform of a magnetic pattern, calculating the valid area of the generated integrated waveform of one character and recognizing the magnetic pattern as a number, a mark and an alphabet by the position of a recessed curve formed based on a distance between the two adjacent bars in the magnetic pattern constituted of plural bars and the valid area of the **calculated integrated** waveform and to provide an information recording medium, a magnetic **pattern recognizing** device and a composite processor.

SOLUTION: In a step S402, the detected magnetic waveform of one magnetic pattern is cut from the obtained detected magnetic waveform. In a step S403, the detected magnetic waveform which is cut is integrated to form the waveform. In a step S404, a trough is searched from the formed waveform and the searched trough is converted into the trough pattern of the 'deep trough' or 'shallow trough'. In a step S406, the position of the trough whose trough pattern is 'deep' is calculated and the valid area of the **integrated** waveform is **calculated** from the position of the trough. The relative position of the trough is calculated by the valid area of the **calculated integrated** waveform and the position of the trough. The character is recognized by the calculated relative position of the trough.

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11/5/2 (Item 2 from file: 347)
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07138107 **Image available**
METHOD FOR INSPECTING MASK AND APPARATUS THEREFOR

PUB. NO.: 2002-006479 [JP 2002006479 A]
PUBLISHED: January 09, 2002 (20020109)
INVENTOR(s): ITOU KOUJIROU
KONISHI TOSHIO
SASAKI HIRONOBU
EGUCHI HIDEYUKI
TOMIYAMA KOZUE
APPLICANT(s): TOPPAN PRINTING CO LTD
APPL. NO.: 2000-183152 [JP 2000183152]
FILED: June 19, 2000 (20000619)
INTL CLASS: G03F-001/16; H01J-037/244; H01J-037/28; H01L-021/66

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for inspecting a mask by which defects in a fine pattern and a hole on a mask for exposure with charged

particle rays are accurately detected and to provide an apparatus for inspecting a mask capable of shortening inspection time while ensuring high resolution.

SOLUTION: In the method for inspecting a mask, a beltlike inspection region is set between an outside periphery defined by adding permissible accuracy to the outline of a mask design pattern and an **inside** periphery defined by **subtracting** the permissible accuracy from the outline and irradiated with charged particle rays, secondary electrons, reflected charged particles or transmitted charged particles are detected with a detector, the coordinates of the outline of a transfer mask **pattern detected** from the secondary electrons, reflected charged particles or transmitted charged particles are compared with the coordinates of the inspection region, and when the coordinates of the outline of the transfer mask pattern are not within the inspection region, the pattern is judged to be defective. An apparatus for mask inspection using the above inspection method is also presented.

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11/5/3 (Item 3 from file: 347)
DIALOG(R) File 347:JAPIO
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06778493 **Image available**
DEVICE FOR DISCRIMINATING TRUTH/FALSEHOOD OF PAPER SHEETS

PUB. NO.: 2001-005968 [JP 2001005968 A]
PUBLISHED: January 12, 2001 (20010112)
INVENTOR(s): KAWAHITO KATSUHIKO
APPLICANT(s): OKI ELECTRIC IND CO LTD
APPL. NO.: 11-176634 [JP 99176634]
FILED: June 23, 1999 (19990623)
INTL CLASS: G06T-007/00; G06F-015/18; G07D-007/00; G07D-007/04;
G07D-007/12; G07D-007/20

ABSTRACT

PROBLEM TO BE SOLVED: To improve the accuracy of discrimination even when a dispersion takes place in sensor data.

SOLUTION: This device has a **pattern detecting** means which detects patterns of paper sheets and generates sensor data, an integration operating means 32 which **integrates** the sensor data and **calculates** an integral value, a characteristic pattern converting means 34 which converts the integral value into a characteristic pattern composed of a set of binary data and a neural net processing means 35a which defines the characteristic pattern as an input value, performs neural net processing according to the input value and outputs an output value. In such a case, the integral value is converted into the characteristic pattern composed of a set of binary data, and since the characteristic pattern becomes the input value of the means 35a, the neural net processing is performed without making the characteristic of paper sheets disappear.

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11/5/4 (Item 4 from file: 347)
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06513914 **Image available**
PATTERN RECOGNIZING DEVICE AND PATTERN RECOGNIZING METHOD

PUB. NO.: 2000-099631 [JP 2000099631 A]
PUBLISHED: April 07, 2000 (20000407)
INVENTOR(s): SHIJO TORU

APPLICANT(s): TOSHIBA CORP
APPL. NO.: 10-264844 [JP 98264844]
FILED: September 18, 1998 (19980918)
INTL CLASS: G06K-009/62; G06K-009/03; G06K-009/46

ABSTRACT

PROBLEM TO BE SOLVED: To attain highly precise **pattern recognition** while suppressing **calculation** amounts by efficiently **integrating** a core line extraction type recognition system and a contour tracing type recognition system.

SOLUTION: This **pattern recognizing** device is provided with a core line extraction type recognizing means having a feature point extracting means for extracting a feature point from a core line obtained by operating a thin wiring processing to a pattern to be recognized and a **pattern recognizing** means for recognizing the pattern to be recognized, based on the feature point obtained by the feature point extracting means, contour tracing type recognizing means for operating a recognition processing to the pattern to be recognized, based on features obtained from the contour, and control means for allowing the **pattern recognizing** means to operate the recognition processing when the feature point under consideration is extracted by the feature point extracting means, and for allowing the contour tracing type recognizing means to operate the recognition processing when the feature point under consideration is not extracted.

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11/5/5 (Item 5 from file: 347)
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06435178 **Image available**
METHOD AND DEVICE FOR DISPLAYING THREE-DIMENSIONAL DIGITAL DATA BY TENSOL RENDERING

PUB. NO.: 2000-020745 [JP 2000020745 A]
PUBLISHED: January 21, 2000 (20000121)
INVENTOR(s): NAGASAWA MIKIO
APPLICANT(s): HITACHI LTD
APPL. NO.: 10-202834 [JP 98202834]
FILED: July 03, 1998 (19980703)
INTL CLASS: G06T-015/00; A61B-005/055; G06T-001/00

ABSTRACT

PROBLEM TO BE SOLVED: To visibly display spatial distribution of multi-valued functions represented by nine components of a two-stage three-dimensional tensor.

SOLUTION: The distribution function 101 of anisotropic fine face distribution 102 corresponding to the surface of discrete sample points 103 having tensor quantity is expressed by the secondary curved surface shape of an anisotropic ellipse and the intensity of scattered light is calculated from the contribution of a bisector direction 107 between a light source direction 105 and a visual line direction 106 to simulate the scattering of light. The intensity of scattered light on each **calculation** point having tensor quantity is **integrated** by the beam **equation** of rendering by weighting the transmission factor of light. Since correlation between the integration effect and angular dependency of light based on a scatter distribution function corresponding to tensor components is displayed, multi-valued information in space can be visually recognized without requiring **pattern recognition** or the like.

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11/5/6 (Item 6 from file: 347)
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06177244 **Image available**
UROPHANIC ERYTHROCYTE SORTER

PUB. NO.: 11-118793 [JP 11118793 A]
PUBLISHED: April 30, 1999 (19990430)
INVENTOR(s): MITSUYAMA SATOSHI
MATSUO HITOSHI
KOJIMA YASUAKI
APPLICANT(s): HITACHI LTD
APPL. NO.: 09-280164 [JP 97280164]
FILED: October 14, 1997 (19971014)
INTL CLASS: G01N-033/49; G01N-033/48; G01N-033/493; G06F-015/18;
G06T-007/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide an equipment for sorting a specimen of urophanic erythrocyte emerges in urine automatically into a specimen susceptible of glomerulopathy and a specimen susceptible of urogenital disease.

SOLUTION: The urophanic erythrocyte sorter comprises a CCD color TV camera picking up the image of urophanic erythrocyte, a section 132 for dividing the image into a background region and an objective region containing erythrocyte, a section 133 for calculating the image feature amount, a pattern recognizing section 134 receiving the image feature amount from each objective region and sorting the object, and means 136 for sorting the erythrocyte into a normal erythrocyte and more than one kind of deformed erythrocyte using the image feature amount of erythrocyte and counting the normal erythrocyte and every kind of deformed erythrocyte for each specimen. According to the arrangement, an examiner can determine the necessity of reexamination easily based on the information concerning to the shape of erythrocyte.

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11/5/7 (Item 7 from file: 347)
DIALOG(R) File 347:JAPIO
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05406839 **Image available**
LEARNING-TYPE POSITION DETECTION SYSTEM

PUB. NO.: 09-021639 [JP 9021639 A]
PUBLISHED: January 21, 1997 (19970121)
INVENTOR(s): KANEDA SHIGEO
ISHII MEGUMI
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-173101 [JP 95173101]
FILED: July 10, 1995 (19950710)
INTL CLASS: [6] G01C-015/00; G01C-021/00
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 26.2 (TRANSPORTATION -- Motor Vehicles)
JAPIO KEYWORD:R005 (PIEZOELECTRIC FERROELECTRIC SUBSTANCES)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a learning-type position detection system which can properly detect the spatial position of a moving body with a relatively simple and compact constitution.

SOLUTION: Acceleration of a moving body is detected by an acceleration detecting part 11, the detected acceleration is integrated in a spatial

position calculating part 12 to calculate the spatial position, and a series of the calculated spatial positions are accumulated in a data base part 13 as past data patterns. A past data pattern similar to a current data pattern comprising a series of the spatial positions from the present back to a predetermined time before is searched in a similar data **pattern detecting** part 14, wherein the searched past data pattern and the current data pattern are considered to be at the spatially same position.

11/5/8 (Item 8 from file: 347)
DIALOG(R) File 347:JAPIO
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03787032 **Image available**
ORGANIC MEMBRANE

PUB. NO.: 04-152132 [JP 4152132 A]
PUBLISHED: May 26, 1992 (19920526)
INVENTOR(s): MURAYAMA TETSUO
YONEYAMA MITSURU
NAGAO TAKUMI
APPLICANT(s): MITSUBISHI KASEI CORP [000596] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-278504 [JP 90278504]
FILED: October 17, 1990 (19901017)
INTL CLASS: [5] B32B-009/00; C09K-003/00; G02F-001/35; H01L-029/28; H01L-031/10; H01L-049/02
JAPIO CLASS: 14.2 (ORGANIC CHEMISTRY -- High Polymer Molecular Compounds); 13.9 (INORGANIC CHEMISTRY -- Other); 29.2 (PRECISION INSTRUMENTS -- Optical Equipment); 42.2 (ELECTRONICS -- Solid State Components)
JOURNAL: Section: M, Section No. 1310, Vol. 16, No. 440, Pg. 38, September 14, 1992 (19920914)

ABSTRACT

PURPOSE: To apply an organic membrane to a highly integrated element and a highly functionalized element by a method wherein at least one layer among the built-up films constituting the organic membrane is constituted of a monomolecular film containing a specific porphyrin derivative and a matrix molecule and the porphyrin derivative forms domain structures which are mutually separated by the regions composed of the matrix molecule.

CONSTITUTION: At least one layer among the built-up films constituting an organic membrane is constituted of a monomolecular film **containing** a porphyrin derivative represented by **formula** I or II and a matrix molecule. In the monomolecular film, the porphyrin derivative forms domain structures which are mutually separated by the regions composed of the matrix molecule. Since this organic membrane contains the monomolecular film wherein the domain structures are formed by the porphyrin derivative, said membrane can be applied to a data processing element such as a highly functional and high integrated photodiode array or photosensor array or a **pattern recognition** element utilizing the excellent optical function and electronic function possessed by porphyrin.

11/5/9 (Item 9 from file: 347)
DIALOG(R) File 347:JAPIO
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03770145 **Image available**
COMPILING PROCESSING SYSTEM

PUB. NO.: 04-135245 [JP 4135245 A]
PUBLISHED: May 08, 1992 (19920508)
INVENTOR(s): IIDA HIROKO
AOKI MASAKI
SATO HIROAKI

APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 02-258625 [JP 90258625]
FILED: September 27, 1990 (19900927)
INTL CLASS: [5] G06F-009/45
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 1410, Vol. 16, No. 404, Pg. 141,
August 26, 1992 (19920826)

ABSTRACT

PURPOSE: To obtain an object with which the number of instructions can be decreased by converting an operation described in a source program into an assembler instruction of a small operand.

CONSTITUTION: An arithmetic **pattern** **recognizing** part 11 detects an arithmetic formula out of a source program 2 received by a program input part 10. This arithmetic **formula** **contains** a common arithmetic subject element that secures the connection of operations. then an arithmetic pattern changing part 12 updates the description forms of these arithmetic formulas based on a connection rule. An object generating part 13 compiles the program 2 **containing** the arithmetic **formula** changed by the part 12 into a corresponding object 3 that has a reduced number of instructions.

11/5/10 (Item 10 from file: 347)
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02877316 **Image available**
ENCODER

PUB. NO.: 01-174916 [JP 1174916 A]
PUBLISHED: July 11, 1989 (19890711)
INVENTOR(s): OKA YASUO
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 62-332382 [JP 87332382]
FILED: December 29, 1987 (19871229)
INTL CLASS: [4] G01D-005/34
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 36.1 (LABOR SAVING
DEVICES -- Industrial Robots)
JAPIO KEYWORD: R097 (ELECTRONIC MATERIALS -- Metal Oxide Semiconductors,
MOS); R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements,
CCD & BBD); R116 (ELECTRONIC MATERIALS -- Light Emitting
Diodes, LED); R131 (INFORMATION PROCESSING -- Microcomputers
& Microprocessors)
JOURNAL: Section: P, Section No. 943, Vol. 13, No. 452, Pg. 82,
October 12, 1989 (19891012)

ABSTRACT

PURPOSE: To accurately perform the detection of a positional change, by detecting the positional change on the basis of the positional change of a center line of a binary stripe pattern.

CONSTITUTION: The light emitted from a light emitting diode passes through a code plate to be received by a CCD image sensing element 2. The stripe like scale pattern formed to the code plate is projected on the element 2. The element 2 is arranged so as to be inclined by a predetermined angle θ . with respect to the stripe like scale pattern and positional change is detected from the binary stripe pattern formed from the output signal of said element 2. At this time, the middle point C is detected from the points L, R in the imaging data of the element 2 stored in a RAM 7 by a middle point detection part 16' and position data **within** pitch accuracy is **calculated** from the change of the middle point C by a position operation part 18'. This data is set to a position operating and result output part 13. By this method, since data of accuracy is calculated from the change of the middle point C, that is, the positional change of the

center line of a binary stripe pattern, detection can be performed accurately regardless of the change of the quantity of light and the change of sensitivity.

11/5/11 (Item 11 from file: 347)
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02838839 **Image available**
FRAME SYNCHRONIZING SYSTEM

PUB. NO.: 01-136439 [JP 1136439 A]
PUBLISHED: May 29, 1989 (19890529)
INVENTOR(s): TOYOSHIMA AKIRA
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-294168 [JP 87294168]
FILED: November 24, 1987 (19871124)
INTL CLASS: [4] H04J-003/06; H04L-007/08
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems); 44.3 (COMMUNICATION -- Telegraphy)
JOURNAL: Section: E, Section No. 813, Vol. 13, No. 390, Pg. 12, August 29, 1989 (19890829)

ABSTRACT

PURPOSE: To establish the synchronization in the ATDM system without fail by not changing the position of synchronization detection when number of times of synchronization pattern dissidence is a preset value or below.
CONSTITUTION: When information to be sent does not exist, a synchronizing cell F is always sent and when the information to be sent exists, the information is split into small fixed length to form general information part D and at least an address part A is added and sent while being incorporated into the cell. When the synchronizing pattern detection position signal is inputted, it is collated with the synchronizing pattern and when they are coincident, the number of counted dissidence is reset to zero to hold the synchronizing pattern detection position. In case of dissidence, the number of dissidence is carried up by one and it is compared with a preset value. When the count is below the set value, the synchronizing detection position is kept and when the count is more than the set value, the synchronizing detection position is changed to other position. Thus, the synchronization of cell is established.

11/5/12 (Item 12 from file: 347)
DIALOG(R) File 347:JAPIO
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02665682 **Image available**
PATTERN RECOGNITION DEVICE

PUB. NO.: 63-282582 [JP 63282582 A]
PUBLISHED: November 18, 1988 (19881118)
INVENTOR(s): HIRANO TOSHINORI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-115738 [JP 87115738]
FILED: May 14, 1987 (19870514)
INTL CLASS: [4] G06F-015/70
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)
JOURNAL: Section: P, Section No. 841, Vol. 13, No. 102, Pg. 109, March 10, 1989 (19890310)

ABSTRACT

PURPOSE: To remove the influence of the deformation of an input pattern by

calculating the similarity between a feature vector generated from the integration result of an integrating means and a previously stored standard feature vector.

CONSTITUTION: A binary image digitized by a character input part 10 into a square array is sent to a directivity detection part 11. The directivity detection part 11 extracts the stroke directivity of the input pattern and a feature integration part 12 integrates stroke directivity in each specific area. Then a feature vector generation part 13 generates the feature vector from the **integration** result and a similarity **calculation** part 14 finds the similarity between the feature vector and standard feature vector to recognize the pattern. Consequently, a **pattern recognition** device which is hardly affected by the deformation of the input pattern is obtained.

11/5/13 (Item 13 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

00919657 **Image available**
PATTERN DETECTION CIRCUIT

PUB. NO.: 57-069957 [JP 57069957 A]
PUBLISHED: April 30, 1982 (19820430)
INVENTOR(s): NAKAGAMI KEIICHIRO
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 55-145646 [JP 80145646]
FILED: October 20, 1980 (19801020)
INTL CLASS: [3] H04L-013/18; G06F-003/04; H04L-015/26
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 44.2 (COMMUNICATION -- Transmission Systems); 45.3 (INFORMATION PROCESSING -- Input Output Units)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)
JOURNAL: Section: E, Section No. 123, Vol. 06, No. 147, Pg. 86, August 06, 1982 (19820806)

ABSTRACT

PURPOSE: To simplify the circuit constitution even if the bit length of data pattern is long and to make easy the detection of complicated pattern and the change in the pattern, by determining the pattern detected with the content of ROM.

CONSTITUTION: An input serial data train (a) and a clock signal b synchronizing with this data train (a) are applied to a D type FF3, the data train (a) is sampled at the signal b and the serial data train a' is outputted. The counter 1 is driven with the signal b, this count value is outputted as a parallel output c, and a parallel output C is **added** to an ROM2 **incorporating** the data **pattern detected** from the data train (a) as an address. Outputs e, f, g, of the ROM2 and the data train a' are inputted to a comparison circuit 4 consisting of an exclusive logical sum circuit 41, AND circuit 42 and OR circuit 43, and if the result of comparison is in dissidence or the comparison is finished, the counter 1 is cleared with a clear signal d. The detected pattern is decided with the content of the ROM2, allowing to simplify the circuit constitution.

11/5/14 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014706736
WPI Acc No: 2002-527440/200256
Related WPI Acc No: 2002-500220

XRAM Acc No: C02-149335

New polypeptide present in a normal and neoplastic breast cell useful for identifying, monitoring, staging, diagnosing, preventing and treating breast cancer, and non-cancerous disease states in a breast

Patent Assignee: DIADEXUS INC (DIAD-N); LIU C (LIUC-I); RECIPON H E (RECI-I); SALCEDA S (SALC-I); SUN Y (SUNY-I); TURNER L R (TURN-I)

Inventor: LIU C; RECIPON H E; SALCEDA S; SUN Y; TURNER L R; RECIPON H

Number of Countries: 096 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200236616	A2	20020510	WO 2001US47739	A	20011030	200256 B
AU 200230736	A	20020515	AU 200230736	A	20011030	200258
US 20020177696	A1	20021128	US 2000244221	A	20001030	200281
			US 2000249998	A	20001120	
			US 2000252563	A	20001122	
			US 200111445	A	20011030	

Priority Applications (No Type Date): US 2000252563 P 20001122; US

2000244221 P 20001030; US 2000249998 P 20001120; US 200111445 A 20011030

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200236616	A2	E 174	C07K-014/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200230736	A		C07K-014/00	Based on patent WO 200236616
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US 20020177696	A1		C07H-021/02	Provisional application US 2000244221
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Provisional application US 2000249998

Provisional application US 2000252563

Abstract (Basic): WO 200236616 A2

NOVELTY - An isolated polypeptide (I) present in normal and neoplastic breast cell, is new.

DETAILED DESCRIPTION - An isolated polypeptide (I) present in normal and neoplastic breast cell, comprises:

(a) an amino acid sequence (aas) with 60 % sequence identity to a sequence (S1) of 17, 32, 33, 82, 30, 53, 61, 45, 46, 52, 63, 33, 108, 410, 130, 59, 94, 21, 61, 53, 47, 18, 43, 51, 51, 52, 28, 118, 85, 114, 39, 70 or 111 amino acids, given in the specification; or

(b) an aas encoded by a polynucleotide having a sequence (S2) of 372, 234, 441, 574, 318, 425, 269, 311, 364, 275, 464, 818, 217, 370, 402, 461, 2622, 1376, 3016, 495, 1376, 249, 633, 502, 367, 755, 518, 250, 413, 530, 591, 987, 541, 442, 617, 396, 918, 1104, 2063, 1061 or 1704 base pairs, given in the specification.

INDEPENDENT CLAIMS are also included for the following:

(1) an isolated polynucleotide (II), comprising:

(i) a sequence which encodes (S1);

(ii) a sequence comprising (S2);

(iii) a sequence that selectively hybridizes to (i) or (ii); or

(iv) a sequence having 60 % sequence identity to (i) or (ii);

(2) a vector (III) comprising (II);

(3) a host cell (IV) comprising (III);

(4) preparation of (I);

(5) an antibody (Ab) or its fragment that specifically binds to

(I);

(6) a kit for detecting a risk of cancer or presence of cancer in a patient, comprising reagents for determining the presence of (II)/(I) in a sample of a patient; and

(7) a vaccine (V) comprising (I)/(II).

ACTIVITY - Cytostatic.

MECHANISM OF ACTION - Vaccine (claimed); Gene therapy. Test details are described but no results are given.

USE - Nucleic acid (II) (as probe or primer) encoding (I) is useful for determining the presence of a breast specific nucleic acid (BSNA) in a sample, by contacting the sample with (II) under suitable hybridization conditions, and detecting hybridization of (II) to a BSNA in the sample. An antibody (Ab) specific for (I) is useful for determining the presence of a breast specific protein in a sample by contacting the sample with Ab under conditions suitable for binding, and detecting binding. One of the two methods is useful in diagnosing and monitoring the presence and metastasis of breast cancer in a patient, where the method comprises comparing the amount of the determined (II)/(I) in the sample of the patient to the amount of the breast specific marker in a normal control, where a difference in the amount of (II)/(I) in the sample compared to the amount of (II)/(I) in the normal control is associated with the presence of breast cancer. Ab (or (I)/(II)) is useful for treating a patient with breast cancer (all claimed). (I), (II) or Ab is further useful:

- (i) for identifying, monitoring, staging, imaging and treating breast cancer, and non-cancerous disease states in a breast;
- (ii) in gene therapy;
- (iii) for producing transgenic animals and cells; and
- (iv) for producing engineered breast tissue for treatment and research.

pp; 174 DwgNo 0/0

Title Terms: NEW; POLYPEPTIDE; PRESENT; NORMAL; NEOPLASMS; BREAST; CELL; USEFUL; IDENTIFY; MONITOR; STAGE; DIAGNOSE; PREVENT; TREAT; BREAST; CANCER; NON; CANCER; DISEASE; STATE; BREAST

Derwent Class: B04; D16

International Patent Class (Main): C07H-021/02; C07K-014/00

International Patent Class (Additional): C07H-021/04

File Segment: CPI

11/5/15 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013830316 **Image available**

WPI Acc No: 2001-314528/200133

XRPX Acc No: N01-226175

Artificial neural network type pattern identification device in information processing field, performs final identification evaluation by integrating decision result of calculation circuit using OR calculation

Patent Assignee: DAICEL CHEM IND LTD (DAIL); KITAGAWA H (KITA-I); NAKAGAWA T (NAKA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001084236	A	20010330	JP 99262894	A	19990917	200133 B

Priority Applications (No Type Date): JP 99262894 A 19990917

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001084236	A		7	G06F-015/18	

Abstract (Basic): JP 2001084236 A

NOVELTY - The pre-treatment circuit performs threshold evaluation of output of each artificial neural network which are represented by random number series. The calculation circuit integrates first order output from each predetermined circuit using AND calculation. The decision section performs final identification evaluation by integrating decision result of each stage of calculation circuit using OR calculation.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the artificial neural network learning process procedure.

USE - In information processing fields for identification of

patterns such as handwritten character, color images of bank note, coin, X-ray CT image and various acoustic signals using artificial neural network.

ADVANTAGE - By performing final evaluation process using OR calculation, new basic stage is added to final stage and hence high speed learning and identification process are obtained thereby performing automatic identification within short time.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram of recognition system in pattern identification device. (Drawing includes non-English language text).

pp; 7 DwgNo 1/2

Title Terms: ARTIFICIAL; NEURAL; NETWORK; TYPE; PATTERN; IDENTIFY; DEVICE; INFORMATION; PROCESS; FIELD; PERFORMANCE; FINAL; IDENTIFY; EVALUATE; INTEGRATE; DECIDE; RESULT; CALCULATE; CIRCUIT; CALCULATE

Derwent Class: P86; T01; T05; W04

International Patent Class (Main): G06F-015/18

International Patent Class (Additional): G06T-007/00; G10L-015/16

File Segment: EPI; EngPI

11/5/16 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013778073 **Image available**

WPI Acc No: 2001-262284/200127

XRFX Acc No: N01-187638

Character recognition apparatus recalculates degree of difference of input character image and reference pattern using secondary calculating section, based on degree of difference calculated by primary section

Patent Assignee: RICOH KK (RICO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001052113	A	20010223	JP 99230619	A	19990817	200127 B

Priority Applications (No Type Date): JP 99230619 A 19990817

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001052113	A		13	G06K-009/62	

Abstract (Basic): JP 2001052113 A

NOVELTY - Primary calculating section computes degree of difference of characters extracted from input character image and reference pattern extracted from recognition dictionary (50). When comparator judges degree of difference not to be within preset patterns, recalculation of degree of difference is performed by secondary calculation section.

DETAILED DESCRIPTION - Matching unit (30) has judging unit with primary and secondary difference degree calculating sections and comparator. The primary calculating section of matching unit uses pseudo-Bayes discrimination function for calculation. The secondary calculating section uses Euclid distance for calculation. INDEPENDENT CLAIMS are also included for the following:

- (a) Character recognition procedure;
- (b) Degree of difference correction factor calculation procedure;
- (c) Degree of difference correction factor calculation apparatus;
- (d) Character recognition program stored in recording medium

USE - Character recognition apparatus with recognition error correction function using pseudo-Bayes discrimination function and Euclid distance.

ADVANTAGE - By performing recalculation in secondary calculating section for finding degree of difference of character image, if the calculating result of primary calculation unit is not within predetermined pattern, recognition accuracy is improved.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of

character recognition apparatus. (Drawing includes non-English language text).

Matching unit (30)

Dictionary (50)

pp; 13 DwgNo 1/12

Title Terms: CHARACTER; RECOGNISE; APPARATUS; DEGREE; DIFFER; INPUT;
CHARACTER; IMAGE; REFERENCE; PATTERN; SECONDARY; CALCULATE; SECTION;
BASED; DEGREE; DIFFER; CALCULATE; PRIMARY; SECTION

Derwent Class: T04

International Patent Class (Main): G06K-009/62

File Segment: EPI

11/5/17 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013647988 **Image available**

WPI Acc No: 2001-132197/200114

SRPX Acc No: N01-098292

Authenticity discrimination apparatus of sheets of paper, has pattern
detector from whose output data, integral value is computed which is
converted to characteristic pattern consisting of group of binary data

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001005968	A	20010112	JP 99176634	A	19990623	200114 B

Priority Applications (No Type Date): JP 99176634 A 19990623

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001005968	A		13	G06T-007/00	

JP 2001005968 A 13 G06T-007/00

Abstract (Basic): JP 2001005968 A

NOVELTY - The pattern of paper sheets is detected and sensor data
is generated by **pattern detector**. **Integrating calculator** (32)
integrates sensor data and computes an integral value. The
characteristic pattern converter converts integral value to
characteristic pattern consisting of group of binary data which is then
processed by a neural network processor.

USE - Authenticity discrimination apparatus of sheets of paper.

ADVANTAGE - As the integral value is converted into the
characteristic pattern consisting of group of binary data which is
input to neural network processor, neural network process is performed
without the characteristic of sheet of paper being missing, accuracy of
discrimination is made high even when variation occurs in sensor data.

DESCRIPTION OF DRAWING(S) - The figure shows the explanatory
diagram of authenticity discrimination apparatus.

Integrating calculator (32)

pp; 13 DwgNo 3/20

Title Terms: AUTHENTICITY; DISCRIMINATE; APPARATUS; SHEET; PAPER; PATTERN;
DETECT; OUTPUT; DATA; INTEGRAL; VALUE; COMPUTATION; CONVERT;
CHARACTERISTIC; PATTERN; CONSIST; GROUP; BINARY; DATA

Derwent Class: T01; T04; T05

International Patent Class (Main): G06T-007/00

International Patent Class (Additional): G06F-015/18; G07D-007/00;

G07D-007/04; G07D-007/12; G07D-007/20

File Segment: EPI

11/5/18 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012677704 **Image available**

WPI Acc No: 1999-483811/199941

XRPX Acc No: N99-360841

Similar category identification dictionary production apparatus for Japanese language character pattern recognition - has similar pattern control unit that repeats integration from calculation of index by pattern, until combination of pattern for unification is eliminated

Patent Assignee: FUJI XEROX CO LTD (XERF)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11203413	A	19990730	JP 987396	A	19980119	199941 B

Priority Applications (No Type Date): JP 987396 A 19980119

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11203413	A		10	G06K-009/68	

Abstract (Basic): JP 11203413 A

NOVELTY - A similar pattern integration unit (4) integrates the combination of most similar pattern and unified pattern of misunderstanding possibility after decreasing amount of misunderstanding possibility by misunderstanding reduction judgment unit (4). A similar pattern control unit (5) repeats the integration operation once again from calculation of index by pattern, until combination of pattern for unification is eliminated. DETAILED DESCRIPTION - The holder (1) maintains sample for learnings which extract amount of characteristics obtain from each sample image for every pattern. A misunderstanding possibility calculator (2) computes index which shows size of possibility of misunderstanding for combination of every pattern and two patterns based on currently maintained learning sample. Then, the index of misunderstanding possibility for every pattern and two patterns are unified. A misunderstanding reduction judgment unit (3) detects whether the direction of misunderstanding possibility during comparing and unification decreases.

USE - For Japanese language character pattern recognition.

ADVANTAGE - Performs shortest distance identification with many pattern and hence can be applied to amount space of characteristics.

DESCRIPTION OF DRAWING(S) - The figure shows theoretical diagram of similar category identification dictionary production apparatus. (1) Holder; (2) Calculator; (3) Judgment unit; (4) Similar pattern integration unit; (5) Similar pattern integration control unit.

Dwg.1/9

Title Terms: SIMILAR; CATEGORY; IDENTIFY; DICTIONARY; PRODUCE; APPARATUS; JAPAN; LANGUAGE; CHARACTER; PATTERN; RECOGNISE; SIMILAR; PATTERN; CONTROL ; UNIT; REPEAT; INTEGRATE; CALCULATE; INDEX; PATTERN; COMBINATION; PATTERN; UNIFIED; ELIMINATE

Derwent Class: T04

International Patent Class (Main): G06K-009/68

File Segment: EPI

11/5/19 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012642902 **Image available**

WPI Acc No: 1999-449007/199938

XRPX Acc No: N99-335493

Measurement using image recognition for determining and positioning e.g. standard mark, land, mounting component, on a printed circuit board PCB - involves calculating normalization correlation coefficient between standard and input images when standard image for pattern matching and density of background are equal to input image for measurement

Patent Assignee: TANI DENKI KOGYO KK (TANI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11185039	A	19990709	JP 97354322	A	19971224	199938 B

Priority Applications (No Type Date): JP 97354322 A 19971224

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11185039	A	9	G06T-007/00	

Abstract (Basic): JP 11185039 A

NOVELTY - The method involves calculating the normalization correlation coefficient between a standard image and an input image when the target object of the standard image for pattern matching and the density of a background are equal to the target object of the input image for measurement. DETAILED DESCRIPTION - The density distribution mean value of the background or the plateau-like density function, which are similar and registered as standard image for pattern mismatching, also serve as basis for the normalization correlation coefficient calculation. An INDEPENDENT CLAIM is included for a recording medium.

USE - For determining and positioning e.g. standard mark, land, mounting component, solder, screen printing mask, version beating component, on a PCB. Also for standard mark on flip-chip scale package (CSP), ball grid array (BGA) and multichip module (MCM).

ADVANTAGE - Shortens processing time in pattern matching and improved **pattern detection** capability due to filtered noise of image concentration difference nonuniformity. Ensures stable and reliable **pattern detection**. Improved measurement accuracy using **incorporated** optimum measurement **algorithm** for a measurement object. DESCRIPTION OF DRAWING(S) - The figure shows the block component that performs the measurement using image recognition.

Dwg.3/12

Title Terms: MEASURE; IMAGE; RECOGNISE; DETERMINE; POSITION; STANDARD; MARK ; LAND; MOUNT; COMPONENT; PRINT; CIRCUIT; BOARD; PCB; CALCULATE; CORRELATE; COEFFICIENT; STANDARD; INPUT; IMAGE; STANDARD; IMAGE; PATTERN; MATCH; DENSITY; BACKGROUND; EQUAL; INPUT; IMAGE; MEASURE

Derwent Class: T01; T04

International Patent Class (Main): G06T-007/00

International Patent Class (Additional): G06K-009/38

File Segment: EPI

11/5/20 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012456341

WPI Acc No: 1999-262449/199922

XRPX Acc No: N99-195331

Spark ignition engine knock detection using derivative pattern recognition

Patent Assignee: ANONYMOUS (ANON)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 420009	A	19990410	RD 99420009	A	19990320	199922 B

Priority Applications (No Type Date): RD 99420009 A 19990320

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
RD 420009	A	1	F02D-000/00	

Abstract (Basic): RD 420009 A

NOVELTY - A derivative **pattern recognition algorithm** eliminates background noise from the **integrated** piezoelectric sensor signal by taking discrete sample derivative $(=E(z)(z-1)/z)$ or simply

subtracting the previous measurement from the present measurement for each cylinder to arrive at a difference. The difference is then compared to a threshold. This eliminates the DC or background component from the signal, and since the physical property of knock prevents continuously repeated occurrence, the background noise is often the main constituent of the previous measurement.

USE - Knock detection in spark ignition internal combustion engine, e.g. V6 engine.

ADVANTAGE - Prevents false positive or false negative detection of engine knock due to inaccurate representation of background engine noise. Provides fast response for quickly changing background noise since the previous background measurement is only 720 crank degrees old. Provides performance equal to 'averaging' type system without false retard or runaway knock problems.

pp; 1 DwgNo 0/0

Title Terms: SPARK; IGNITION; ENGINE; KNOCK; DETECT; DERIVATIVE; PATTERN; RECOGNISE

Derwent Class: Q52; S02; X22

International Patent Class (Main): F02D-000/00

File Segment: EPI; EngPI

11/5/21 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012309525 **Image available**

WPI Acc No: 1999-115631/199910

XPX Acc No: N99-085229

Pattern measurement method for standard mark on printed circuit board - involves dividing prestored standard pattern image and input image of measurement target object into outline images and interior lines

Patent Assignee: TANI DENKI KOGYO KK (TANI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10339618	A	19981222	JP 97150547	A	19970609	199910 B

Priority Applications (No Type Date): JP 97150547 A 19970609

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10339618	A		8	G01B-011/24	

Abstract (Basic): JP 10339618 A

NOVELTY - The previously registered standard pattern image (11) and an input image (12) of a measurement target object are divided into the outer line images (11a,12a) and interior images (11b,12b) and pattern matching is performed.

USE - For recognising standard mark on printed circuit board.

ADVANTAGE - As high speed image-processing board is unnecessary, cost is reduced and optimum measurement algorithm is incorporated. Pattern recognition is possible even if concentration difference nonuniformity partial stain and partial shadow exists in measurement target object. DESCRIPTION OF DRAWING(S) - The figure shows the conceptual diagram for pattern matching. (11) Pattern image ; (12) Input image.

Dwg.2/5

Title Terms: PATTERN; MEASURE; METHOD; STANDARD; MARK; PRINT; CIRCUIT; BOARD; DIVIDE; STANDARD; PATTERN; IMAGE; INPUT; IMAGE; MEASURE; TARGET; OBJECT; OUTLINE; IMAGE; INTERIOR; LINE

Derwent Class: S02; V04

International Patent Class (Main): G01B-011/24

International Patent Class (Additional): H05K-003/34; H05K-013/08

File Segment: EPI

11/5/22 (Item 9 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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010945859 **Image available**
WPI Acc No: 1996-442809/199644
Related WPI Acc No: 1998-145137
XRPX Acc No: N96-372909

Multi-address arithmetic instruction execution appts. - includes units selecting information sources from addresses specified with instruction to generate result with pointer updated to address

Patent Assignee: INTEL CORP (ITLC)

Inventor: DULONG C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5560039	A	19960924	US 9322541	A	19930225	199644 B
			US 96581761	A	19960102	

Priority Applications (No Type Date): US 9322541 A 19930225; US 96581761 A 19960102

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5560039	A	27	G06F-007/38	Cont of application US 9322541

Abstract (Basic): US 5560039 A

The appts. includes a unit selecting a first source of information from two addresses out of more than three addresses specified within the arithmetic instruction. A unit selects a second source of information from an address of the more than three addresses. A unit performs an operation upon the first source and the second source to generate a result, the operation specified within the arithmetic instruction.

A unit selects destination storage for the result, from an address of the more than three addresses specified within the arithmetic instruction. A pointer represented as an address of the addresses specified within the arithmetic instruction is updated. The pointer update and the operation performance occur in parallel.

ADVANTAGE - Provides single instruction format with register indexing mode function and index update function occurring within same instruction cycle. Combines 4 addresses **within** single **computation within** arithmetic pipeline device. Executes operation with operands of different lengths within one instruction cycle. Provides high **pattern recognition** capability. Provides dual pipeline for distance and best path computations.

Dwg.6/10

Title Terms: MULTI; ADDRESS; ARITHMETIC; INSTRUCTION; EXECUTE; APPARATUS; UNIT; SELECT; INFORMATION; SOURCE; ADDRESS; SPECIFIED; INSTRUCTION; GENERATE; RESULT; POINT; UPDATE; ADDRESS

Derwent Class: T01

International Patent Class (Main): G06F-007/38

File Segment: EPI

11/5/23 (Item 10 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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010857230 **Image available**
WPI Acc No: 1996-354183/199635
Related WPI Acc No: 1992-188476; 1992-188972; 1997-164787
XRPX Acc No: N96-298733

Abnormal pattern detecting appts such as blood vessel pattern - calculates area of linear pattern falling within enlarged prospective abnormal pattern region and maximum width of linear pattern falling within enlarged prospective abnormal pattern region

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)

Inventor: SHIMURA K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5539838	A	19960723	US 91760440	A	19910916	199635 B
			US 95421010	A	19950413	

Priority Applications (No Type Date): JP 90244198 A 19900914; JP 90244195 A 19900914; JP 90244196 A 19900914; JP 90244197 A 19900914

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5539838	A	30	G06K-009/00	Cont of application US 91760440

Abstract (Basic): US 5539838 A

The appts has a first finding device includes a first filter for finding a prospective abnormal pattern of an approximately circular pattern. A second finding device has a second filter that finds a linear pattern, which appear in radiation image.

A judgement device determines whether the prospective abnormal pattern is a true abnormal pattern. The judgement device has a selector for selecting an enlarged prospective abnormal pattern region in an area in the radiation image.

A calculator calculates the area of the linear pattern falling within the enlarged prospective abnormal pattern region and the maximum width of the linear pattern falling within the enlarged prospective abnormal pattern region. A judging device judges whether the prospective abnormal pattern is or is not a true abnormal pattern.

ADVANTAGE - Detects true abnormal pattern only and accurately. Accurately discriminates circular pattern from linear pattern in radiation image. Calculates width of linear pattern appearing in radiation image.

Dwg.5/12

Title Terms: ABNORMAL; PATTERN; DETECT; APPARATUS; BLOOD; VESSEL; PATTERN; CALCULATE; AREA; LINEAR; PATTERN; FALL; ENLARGE; PROSPECTING; ABNORMAL; PATTERN; REGION; MAXIMUM; WIDTH; LINEAR; PATTERN; FALL; ENLARGE; PROSPECTING; ABNORMAL; PATTERN; REGION

Derwent Class: S05; T01; T04

International Patent Class (Main): G06K-009/00

File Segment: EPI

11/5/24 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010803894 **Image available**

WPI Acc No: 1996-300847/199630

Related WPI Acc No: 1995-403536; 1996-300846; 1996-300848

XRPX Acc No: N96-253064

Pattern recognition computing method using wave-type energy - separating energy from subset of component parts having computing function relationship with two generated wave-fronts of wavelengths having patterns modulated with quantised information

Patent Assignee: CYBER DYNE COMPUTER CORP (CYBE-N); HAIT J N (HAIT-I); ROCKY MOUNTAIN RES CENT (ROCK-N); ALL OPTICAL NETWORKS INC (ALLO-N)

Inventor: HAIT J N

Number of Countries: 066 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9618965	A1	19960620	WO 95US16456	A	19951214	199630 B
AU 9645223	A	19960703	AU 9645223	A	19951214	199642
US 5617249	A	19970401	US 94357460	A	19941216	199719
			US 95454070	A	19950530	
EP 812443	A1	19971217	EP 95943857	A	19951214	199804
			WO 95US16456	A	19951214	
BR 9510024	A	19980602	BR 9510024	A	19951214	199829

US 5770854	A	19980623	WO 95US16456	A	19951214	
			US 94357460	A	19941216	199832
			US 95454070	A	19950530	
			US 95532329	A	19950919	
KR 98700616	A	19980330	WO 95US16456	A	19951214	199901
			KR 97704050	A	19970616	
AU 701008	B	19990121	AU 9645223	A	19951214	199915
NZ 300470	A	19990329	NZ 300470	A	19951214	199918
			WO 95US16456	A	19951214	
MX 9704464	A1	19980701	MX 974464	A	19970616	200012
MX 196382	B	20000511	MX 974464	A	19951214	200129
US 6265707	B1	20010724	US 94357460	A	19941216	200146
			US 95454070	A	19950530	
			US 95532329	A	19950919	
			US 98102139	A	19980622	
CN 1174616	A	19980225	CN 95197529	A	19951214	200171
JP 2001520768	W	20011030	WO 95US16456	A	19951214	200202
			JP 96519308	A	19951214	

Priority Applications (No Type Date): US 95532329 A 19950919; US 94357460 A 19941216; US 95454070 A 19950530; US 98102139 A 19980622

Cited Patents: US 4892370; US 5093802; US 5109156; US 5138489; US 5239173; US 5369511; US 5414789

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9618965	A1	E	40	G06G-007/00	
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Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9645223	A				
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Based on patent WO 9618965

US 5617249	A		11		
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CIP of application US 94357460

EP 812443	A1	E			
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Based on patent WO 9618965

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

BR 9510024	A				
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Based on patent WO 9618965

US 5770854	A				
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CIP of application US 94357460

CIP of application US 95454070

CIP of patent US 5617249

CIP of patent US 5623366

KR 98700616	A				
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Based on patent WO 9618965

AU 701008	B				
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Previous Publ. patent AU 9645223

Based on patent WO 9618965

NZ 300470	A			G06G-007/00	
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Based on patent WO 9618965

MX 9704464	A1			G06G-007/00	
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MX 196382	B			G06G-007/000	
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US 6265707	B1			G06G-007/00	
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CIP of application US 94357460

CIP of application US 95454070

Div ex application US 95532329

CIP of patent US 5617249

CIP of patent US 5623366

Div ex patent US 5770854

CN 1174616	A			G06G-007/00	
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JP 2001520768	W		56	G06E-003/00	
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Based on patent WO 9618965

Abstract (Basic): WO 9618965 A

The pattern recognition method involves using a number of wave-type energy input patterns modulated with quantised information (10,11,12,13). Energy from the patterns combines to produce interference-based dynamic images (31,31a). Component parts of a dynamic image are separated and recombined to produce logic and other computing process outputs (28,29).

To produce a coordinated set of optics for pattern recognition computing, waveforms at pixel-sized image components of the dynamic image are chosen to become contributors to the combined output if they

would continue, or could be modified to contribute, positively to a combined output waveform that obeys the logic rules of the device being produced. Iterative changes in input pattern characteristics are used to optimise the coordinated optics.

USE/ADVANTAGE - In **pattern recognition** computing, logic and signal processing, and provides method of **calculating** energy distributions **within** dynamic images, and producing coordinated optimised optics for implementation of **pattern recognition** computing.

Dwg.1/5

Title Terms: PATTERN; RECOGNISE; COMPUTATION; METHOD; WAVE; TYPE; ENERGY; SEPARATE; ENERGY; SUBSET; COMPONENT; PART; COMPUTATION; FUNCTION; RELATED ; TWO; GENERATE; WAVE; FRONT; WAVELENGTH; PATTERN; MODULATE; QUANTUM; INFORMATION

Derwent Class: P81; P84; T04

International Patent Class (Main): G06E-003/00; G06G-007/00; G06G-007/000

International Patent Class (Additional): G02F-003/00; G03H-001/08;

G06E-001/04; G06T-007/00

File Segment: EPI; EngPI

11/5/25 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008806715 **Image available**

WPI Acc No: 1991-310727/199142

Related WPI Acc No: 1989-342437; 1994-279236; 1996-129565

XRFX Acc No: N91-238173

Non-linear genetic algorithm for solving problems - by finding fit composition of functions using iterative process on population of problem solving entities

Patent Assignee: KOZA J R (KOZA-I)

Inventor: KOZA J R

Number of Countries: 033 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9114990	A	19911003				199142 B
AU 9175631	A	19911021				199203
US 5136686	A	19920804	US 88196973	A	19880520	199234
			US 90500791	A	19900328	
			US 91787748	A	19911105	

Priority Applications (No Type Date): US 90500791 A 19900328; US 88196973 A 19880520; US 91787748 A 19911105

Cited Patents: US 4821333

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9114990	A		181		
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Designated States (National): AT AU BB BG BR CA CH DE DK ES FI GB HU JP KP KR LK LU MC MG MW NL NO PL RO SD SE SU

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

US 5136686	A	73	G06F-015/18	CIP of application US 88196973
				Cont of application US 90500791
				CIP of patent US 4935877

Abstract (Basic): WO 9114990 A

The process is iterative and finds a composition of functions whose performance is the best fit to a sample of data. The process operates on a population of problem solving entities. The activated entities perform, producing results. The results are assigned values and associated with the producing entity. Entities having high associated values are selected.

These perform either crossover or fitness proportionate reproduction. Other operations e.g. mutation or permutation, define building blocks and editing may be used. Newly created entities are

added to the population.

ADVANTAGE - Provides solutions for expanded class of problems.

Unlimited size, shape or complexity of members of subject population.

Dwg.3/24

Title Terms: NON; LINEAR; GENETIC; ALGORITHM; SOLVING; PROBLEM; FINDER; FIT
; COMPOSITION; FUNCTION; ITERATIVE; PROCESS; POPULATION; PROBLEM; SOLVING
; ENTITY

Derwent Class: T01

International Patent Class (Main): G06F-015/18

File Segment: EPI

11/5/26 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008675157 **Image available**

WPI Acc No: 1991-179177/199125

XRPX Acc No: N91-137310

**Pattern recognition implementation structure - contains computer unit
with memory, line delay unit and pixel delay unit**

Patent Assignee: HEIMANN GMBH (HEIM-N)

Inventor: BERMBACH R; HENKEL R; SIEDENBURG U

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4036100	A	19910613	DE 4036100	A	19901113	199125 B

Priority Applications (No Type Date): EP 89122836 A 19891211

Abstract (Basic): DE 4036100 A

The structure for implementing morphological operations and
pattern recognition contains a computation unit with a memory
(2) and a connected line delay unit (3) for implementation of image
processing techniques. The structure can contain a pixel delay unit.

The memory is a RAM, ROM, EPROM, EEPROM OR PROM. Controlled FIFOs
are used for line delay and pixel delay is achieved using shift
registers or controlled FIFOs.

USE/ADVANTAGE - Flexible hardware structure enables simple and
effective implementation of almost all types of morphological methods
or pattern recognition within defined window size. (6pp Dwg.No.1/6

Title Terms: PATTERN; RECOGNISE; IMPLEMENT; STRUCTURE; CONTAIN; COMPUTER;
UNIT; MEMORY; LINE; DELAY; UNIT; PIXEL; DELAY; UNIT

Derwent Class: T01; T04

International Patent Class (Additional): G06F-015/66

File Segment: EPI

11/5/27 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007758866 **Image available**

WPI Acc No: 1989-023978/198903

Related WPI Acc No: 1991-252841; 1992-268262

XRPX Acc No: N89-018387

**Analogue pattern recognition device with category selection reset -
incorporates neural network with short-term feature representation field
and feedback between short-term signal sub-fields**

Patent Assignee: UNIV BOSTON (UYBO-N)

Inventor: CARPENTER G A; GROSSBERG S

Number of Countries: 012 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8810476	A	19881229	WO 88US1962	A	19880609	198903 B
US 4914708	A	19900403	US 8764764	A	19870619	199019

EP 367790	A	19900516			199020
JP 3502972	W	19910704	JP 88505626	A	19880609 199133
EP 367790	B1	19941214	EP 88906353	A	19880609 199503
			WO 88US1962	A	19880609
DE 3852490	G	19950126	DE 3852490	A	19880609 199509
			EP 88906353	A	19880609
			WO 88US1962	A	19880609

Priority Applications (No Type Date): US 8764764 A 19870619

Cited Patents: 2.Jnl.Ref; EP 245508; WO 8702805; WO 8703399

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8810476 A E 50

Designated States (National): JP

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 367790 A

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 367790 B1 E 22 G06K-009/66 Based on patent WO 8810476

Designated States (Regional): DE FR GB NL

DE 3852490 G G06K-009/66 Based on patent EP 367790

Based on patent WO 8810476

Abstract (Basic): WO 8810476 A

Each categorised pattern is a plot of an input signal (I1, etc.) against a set of input nodes (1-m) applied in parallel to the feature representation field (F1). As in conventional adaptive resonance theory architectures, weighted inputs from this field select at least one category of the category representation field (F2) by communication via adaptive filters.

If the angle between the template vector and a vector within the short-term feature representation field is too great, the input pattern match is deemed insufficient and the selected category is reset.

ADVANTAGE - Disjoint recognition categories are self-organised stably in response to input analogue or digital temporal sequences with vigilance parameter for classification coarseness which compensates for noise. Freedom in design of preprocessors for specialist applications is enhanced.

Dwg.4/9

Title Terms: ANALOGUE; PATTERN; RECOGNISE; DEVICE; CATEGORY; SELECT; RESET;

INCORPORATE; NEURAL; NETWORK; SHORT; TERM; FEATURE; REPRESENT; FIELD;

FEEDBACK; SHORT; TERM; SIGNAL; SUB; FIELD

Derwent Class: T04

International Patent Class (Main): G06K-009/66

International Patent Class (Additional): G06F-015/18; G06G-007/60

File Segment: EPI

11/5/28 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003989854

WPI Acc No: 1984-135398/198422

XPX Acc No: N84-100362

Pellet recognition system for semiconductor manufacture - picks out good pellets using shape identification and position detection which are compared with reference data in memory table

Patent Assignee: TOKYO SHIBAURA DENKI KK (TOKE)

Inventor: OZAKI T

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 108893	A	19840523	EP 83109392	A	19830921	198422 B
JP 59054236	A	19840329				198422
US 4543659	A	19850924	US 83534496	A	19830921	198541
EP 108893	B	19900509				199019

EKD

March 12, 2003

Priority Applications (No Type Date): JP 82163827 A 19820922

Cited Patents: 3.Jnl.Ref; A3...8722; JP 57068042; JP 57092844; No-SR.Pub;
US 4291334

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 108893	A	E	17		
Designated States (Regional): DE FR GB					
EP 108893	B				
Designated States (Regional): DE FR GB					

Abstract (Basic): EP 108893 A

The system is applied to a die bonding appts. in which the pellets are disposed in an X,Y matrix array. An XY stage (12) is moved in the viewing field of a TV camera (14). A good-pellet pattern is set up as the reference pattern in a reference table (25). A pattern recognition range is set on pellets in the array. Shape identification and position detection are carried out for each pellet existing in the recognition stage.

In accordance with a pick-up priority order table (24), a good pellet is picked-up. A position memory table (22) stores the position coordinates relative to the position of the pellet picked-up. The remaining good pellets are then picked-up in sequence.

1/6

Title Terms: PELLET; RECOGNISE; SYSTEM; SEMICONDUCTOR; MANUFACTURE; PICK; PELLET; SHAPE; IDENTIFY; POSITION; DETECT; COMPARE; REFERENCE; DATA; MEMORY; TABLE

Derwent Class: T04; U11

International Patent Class (Additional): G06K-009/62; H01L-021/68;

H01L-023/54

File Segment: EPI

12/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014817183 **Image available**
WPI Acc No: 2002-637889/200269
XRPX Acc No: N02-503954

Data mining method for the Internet involves visiting web page,
obtaining links to other pages and eliminating certain types of link and
links that were present on previous visit

Patent Assignee: CALABA LTD (CALA-N); CARLYLE J (CARL-I); DAVIS I (DAVI-I)

Inventor: CARLYLE J; DAVIS I

Number of Countries: 027 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1233353	A2	20020821	EP 2002251049	A	20020215	200269 B
US 20020156890	A1	20021024	US 200279193	A	20020219	200273

Priority Applications (No Type Date): GB 20014052 A 20010219

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1233353 A2 E 11 G06F-017/30

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

US 20020156890 A1 G06F-015/173

Abstract (Basic): EP 1233353 A2

NOVELTY - The agent (50) visits web pages (10,20,30,40) and
extracts links to other pages. It then eliminates certain types of link
e.g. links to other domains, and links which were present on previous
visit. Report (70) then produced showing remaining links as potentially
relevant.

DETAILED DESCRIPTION - Links that are eliminate include links to
other domains, links without textual content, links containing
phrases requesting an action of a user and links containing
advertisements. The method may also involve obtaining page referred to
by link and generating a summary of the page and including it in the
report.

INDEPENDENT CLAIMS are included for:

1. A system implementing the described method.
2. Stored software implementing the described method.

USE - As a data mining method (claimed).

ADVANTAGE - The quality of the data obtained is increased
significantly. Cuts down search time by reducing number of links which
must be investigated on each visit.

DESCRIPTION OF DRAWING(S) - Drawing is a schematic diagram of the
system.

Web pages (10,20,30,40)

Agent (50)

Report (70)

pp; 11 DwgNo 1/4

Title Terms: DATA; MINE; METHOD; VISIT; WEB ; PAGE; OBTAIN; LINK; PAGE;
ELIMINATE; TYPE; LINK; LINK; PRESENT; VISIT

Derwent Class: T01

International Patent Class (Main): G06F-015/173; G06F-017/30

File Segment: EPI

12/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003633328
WPI Acc No: 1983-J1530K/198325
XRPX Acc No: N83-105986

Electronic personnel movement monitor e.g. for hospital - uses worn

labels emitting response codes, formed of pseudo-random interval signals,
to interrogation stations when brought in proximity

Patent Assignee: SENSORMATIC ELECTRONICS CORP (SENS-N)

Inventor: BARRETT R L

Number of Countries: 011 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 895864	A	19830530				198325 B
DE 3305685	A	19830915				198338
GB 2116808	A	19830928	GB 835854	A	19830303	198339
FR 2522829	A	19830909				198341
NL 8300643	A	19831003				198343
SE 8301199	A	19831010				198343
BR 8301091	A	19831122				198403
US 4471345	A	19840911	US 82354156	A	19820305	198439
ES 8407270	A	19841116				198505
CA 1211522	A	19860916				198642
GB 2116808	B	19861022				198643
SE 456278	B	19880919				198840
IT 1198536	B	19881221				199115
DE 3305685	C2	19951019	DE 3305685	A	19830218	199546

Priority Applications (No Type Date): US 82354156 A 19820305

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
BE 895864	A		60		
DE 3305685	C2		23	G07C-011/00	

Abstract (Basic): BE 895864 A

The system uses control stations which emit an interrogation signal comprising a code configuration which is characteristic of the station. When a worn label is brought close to the station, an internal circuit in the label responds to the interrogation code by emitting a second code, different to that of the station, and characteristic of the label's circuit.

The latter code comprises signal pulses trains of which the intervals are varied in a pseudo-random manner. Additional circuits at the station tests all signals received to determine the presence of those signals containing the characteristic code for the label. Only the above type of signals are sent to a processing unit.

Title Terms: ELECTRONIC; PERSONNEL; MOVEMENT; MONITOR; HOSPITAL; WEAR; LABEL; EMIT; RESPOND; CODE; FORMING; PSEUDO; RANDOM; INTERVAL; SIGNAL; INTERROGATION; STATION; PROXIMITY

Derwent Class: S05; T05; W02; W05

International Patent Class (Additional): C07C-009/00; C08C-025/00;

G01S-013/74; G01S-013/78; G01V-003/00; G06F-015/00; G06K-007/08;

G07C-009/00; G07C-011/00; G08B-001/08; G08B-013/24; G08G-001/12;

H04B-001/38; H04B-001/59; H04L-005/14

File Segment: EPI

13/5/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
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06005403 **Image available**
PATTERN ARRANGEMENT RECOGNIZING METHOD OF SEMICONDUCTOR SUBSTRATE

PUB. NO.: 10-288503 [JP 10288503 A]
PUBLISHED: October 27, 1998 (19981027)
INVENTOR(s): MATSUMOTO HIDEYA
APPLICANT(s): HITACHI ELECTRON ENG CO LTD [323782] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-095756 [JP 9795756]
FILED: April 14, 1997 (19970414)
INTL CLASS: [6] G01B-011/00; G06T-007/00; H01L-021/02; H01L-021/66
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 42.2 (ELECTRONICS -- Solid State Components); 45.9 (INFORMATION PROCESSING -- Other); 46.2 (INSTRUMENTATION -- Testing)
JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD & BBD); R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)

ABSTRACT

PROBLEM TO BE SOLVED: To make pattern arrangement on a wafer automatically recognizable in a short time and in a simple manner.

SOLUTION: Pattern arrangement is **virtually** set up on the basis of the pitch size of a chip, and such a pattern as being separated from the wafer size on the pattern arrangement is eliminated. Subsequently, a noting point performing an optical **pattern detection** is set up in an outermost part of the pattern arrangement, and thereby any reflected light **within** the range of a **visual** field centering on a lattice point of the pattern arrangement set up as this noting point is detected, and on the basis of a difference in a reflected light level due to the presence of a pattern, the presence of the pattern in a chip part around the noting point is detected. In addition, the pattern arrangement is corrected on the basis of the optical detected result, and then the corrected result is outputted as a recognized effect of the final pattern arrangement.

13/5/2 (Item 2 from file: 347)
DIALOG(R) File 347:JAPIO
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04772570 **Image available**
PATTERN RECOGNIZING DEVICE

PUB. NO.: 07-065170 [JP 7065170 A]
PUBLISHED: March 10, 1995 (19950310)
INVENTOR(s): TAKIZAWA MASA HARU
APPLICANT(s): FUJITSU AUTOM LTD [486806] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-216705 [JP 93216705]
FILED: August 31, 1993 (19930831)
INTL CLASS: [6] G06T-007/00; G06T-001/00; G06T-005/00; G06T-007/60
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other)

ABSTRACT

PURPOSE: To speedily and surely recognize a pattern even by an image processing system which is small in scale for distortion of an input stage and variance in the shape of an object of **pattern recognition**.

CONSTITUTION: A linear line separating means 6 samples outline information extracted from an original **graphic** at certain intervals to find curvature and separates a linear part by utilizing the frequency distribution of the curvature. A polygon deciding means 6 generates a fuzzy set of internal

angles obtained from the linear part and outputs a fuzzy function for the kind of a polygon. This is totalized and evaluated for all internal angles to decide the shape of a pattern. A **graphic** means 6 draws a diagonal by connecting **virtual** vertexes found from the linear part to decide the size and position, supplements absence of a contour with remaining data if the contour is absent to restore the **graphic**, and decides an overlap of decided **graphics** to separate and recognize all original **graphics** by **integrating** and rearranging plural **graphics**.

13/5/3 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014939127
WPI Acc No: 2002-759836/200282
XRAM Acc No: C02-214752
XRPX Acc No: N02-598311

Providing, identifying or optimizing peptides for inducing cytotoxic T-lymphocytes and for treating cancer, comprises selecting conserved regions in antigenic proteins and identifying CD8+ T-cell epitopes in the protein

Patent Assignee: CALLISTOGEN AG (CALL-N)
Inventor: EICHLER-MERTENS M; FILTER M; WALDEN P; WREDE P
Number of Countries: 100 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200272627	A2	20020919	WO 2002EP2666	A	20020311	200282 B

Priority Applications (No Type Date): US 2001291610 P 20010518; US 2001274250 P 20010309; US 2001290353 P 20010514

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200272627	A2	E	32	C07K-014/47	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200272627 A2

NOVELTY - Providing, identifying and/or optimizing peptides that induce cytotoxic T-lymphocytes, comprises:

- (a) selecting one or more antigenic proteins;
- (b) selecting conserved regions **within** the protein sequence of the antigenic proteins; and
- (c) identifying CD8+ T-cell epitopes **within** the protein sequence of the antigenic proteins.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a pharmaceutical composition comprising one or more of the peptides;
- (2) providing the pharmaceutical composition for the induction of cytotoxic T-lymphocytes, comprising:
 - (a) providing one or more of the peptide; and
 - (b) using the peptide(s) for the manufacture of the pharmaceutical composition; and
- (3) an isolated peptide that is one of several given in **tables** in the specification, or which comprises one S1 - S6 and including the variants generated by amino acid exchange at positions 2, 6 and/or 9.
 - Val-Thr-Ala-Gln-Val-Val-Leu-Gln-Ala (S1)
 - Val-Leu-Ala-Gln-Val-Val-Leu-Gln-Leu (S2)
 - Leu-Val-His-Phe-Leu-Leu-Leu-Lys-Tyr (S3)
 - Leu-Leu-His-Phe-Leu-Leu-Leu-Lys-Leu (S4)

Phe-Val-Trp-Leu-His-Tyr-Tyr-Ser-Val (S5)

Phe-Leu-Trp-Leu-His-Tyr-Tyr-Ser-Leu (S6)

ACTIVITY - Cytostatic; Virucide. No biological data is given.

MECHANISM OF ACTION - Gene therapy; Vaccine.

USE - The method is useful in providing, identifying and/or optimizing peptides that are useful in manufacturing a pharmaceutical composition for the induction of cytotoxic T-lymphocytes, and for the prevention, treatment or diagnosis of cancer or viral infections (all claimed).

ADVANTAGE - The method provides the following advantages in comparison to previously described methods for T-cell epitope prediction:

(i) the specific optimization step improves the Major Histocompatibility Complex (MHC)-binding properties of the peptides without affecting the biological activity of the peptide;

(ii) the parallel prediction of binding to several different MHC-1 molecules allows the identification of epitopes having a significantly higher application potential;

(iii) the application of knowledge based filters increases the probability of biological effects and application potential;

(iv) the usage of in vitro assays for the verification of epitopes ensures detection of disease-relevant specificities; and

(v) the usage of state of the art **pattern recognition** technologies in combination with the (i) - (iv), yield in a higher prediction accuracy.

pp; 32 DwgNo 0/2

Title Terms: IDENTIFY; OPTIMUM; INDUCE; CYTOSTATIC; LYMPHOCYTE; TREAT; CANCER; COMPRISE; SELECT; CONSERVE; REGION; ANTIGEN; PROTEIN; IDENTIFY; CELL; PROTEIN

Derwent Class: B04; D16; S03; T01

International Patent Class (Main): C07K-014/47

International Patent Class (Additional): A61K-039/00; A61P-035/00;

G01N-033/68; G06F-019/00

File Segment: CPI; EPI

13/5/4 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014903307 **Image available**

WPI Acc No: 2002-724013/200278

XPX Acc No: N02-570858

Tracking traffic activity within web page application by storing interface in web page and operating data mining code to report activity

Patent Assignee: NETIQ CORP (NETI-N)

Inventor: VINCENT M

Number of Countries: 099 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200284507	A1	20021024	WO 2002US12045	A	20020415	200278 B

Priority Applications (No Type Date): US 2001283858 P 20010413

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200284507 A1 E 19 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200284507 A1

NOVELTY - Method for tracking and reporting traffic activity such as button clicks and screens viewed consists in the storing a Web page on a first server coupled to a WAN, uploading the Web page to a visitor computer in response to a request, opening the application under visitor control, operating the data mining code on the visitor computer and reporting activity to the data reporting server.

DETAILED DESCRIPTION - The application is a flash presentation and that the data mining code includes a getURL command. An image having a .SRC attribute associated with it is embedded within the Web page, visitor data is compiled into a URL request and the image .SRC is updated to reflect the compiled URL request. The data mining code includes a myXML.send command.

USE - Method is for tracking and reporting traffic activity within an application embedded in a web page.

DESCRIPTION OF DRAWING(S) - The figure shows operation of a web page with a tracking reporting server.

pp; 19 DwgNo 6/7

Title Terms: TRACK; TRAFFIC; ACTIVE; WEB; PAGE; APPLY; STORAGE; INTERFACE; WEB; PAGE; OPERATE; DATA; MINE; CODE; REPORT; ACTIVE

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

13/5/5 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014687416

WPI Acc No: 2002-508120/200254

XRAM Acc No: C02-144450

XRPX Acc No: N02-402121

Novel endothelial cell-specific molecule polypeptide 1 or 4, useful for imaging, diagnosing and treating a condition involving vascular endothelium e.g. cancer, cardiac disease, endometriosis, diabetes

Patent Assignee: IMPERIAL CANCER RES TECHNOLOGY LTD (IMCR)

Inventor: BICKNELL R; HUMINIECKI L

Number of Countries: 097 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200236771	A2	20020510	WO 2001GB4906	A	20011106	200254 B
AU 200223784	A	20020515	AU 200223784	A	20011106	200258

Priority Applications (No Type Date): US 2001273662 P 20010307; US 2000245566 P 20001106

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200236771 A2 E 248 C12N-015/12

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200223784 A C12N-015/12 Based on patent WO 200236771

Abstract (Basic): WO 200236771 A2

NOVELTY - A polypeptide (I) comprising or consisting of a fragment or variant or fusion of the endothelial cell-specific molecule (ECSM)4 polypeptide or a ECSM 1 polypeptide (II), a fusion of the fragment or variant, where (I) is not a polypeptide consisting of a sequence 49-466 of 465 amino acids fully defined in the specification, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a compound (III) comprising a moiety which selectively binds

the polypeptide ECSM4 or ECSM1 and a further moiety;

(2) a nucleic acid molecule (IV) encoding (III);

(3) a polynucleotide (V) encoding (I), or its complement or a polynucleotide which selectively hybridizes to either of these, where (V) is not any one of the clone or cDNA corresponding to GenBank Accession No AK000805 or expressed sequence tags (ESTs) having the GenBank accession numbers are fully defined in the specification;

(4) a polynucleotide (VI) encoding (II) or its complement or a polynucleotide which selectively hybridizes to either of these, where (VI) is not present in ATCC deposit No 209145 or the clone corresponding to GenBank Accession No AC011526 or the ESTs whose GenBank Accession numbers are fully defined in the specification;

(5) an expression vector (VII) comprising (V) or (VI);

(6) a recombinant host cell (VIII) comprising (IV), (V), (VI) or (VII);

(7) preparation of (I) or (II);

(8) an antibody (IX) capable of selectively binding to (I) or (II);

(9) modulating (M1) angiogenesis in an individual involves administering to the individual ECSM4, a peptide or fragment of ECSM4 or a ligand of ECSM4 or (IX);

(10) reducing (M2) expression of (I) or (II) in an individual by administering to the individual an agent which selectively prevents expression of (I) or (II);

(11) a polynucleotide (X) comprising a promoter and/or regulatory portion either of ECSM1 or ECSM4 genes;

(12) a kit (XI) of parts comprising (III) and a relatively non-toxic prodrug or any one of a directly or indirectly cytotoxic moiety or a readily detectable moiety to which the compound is able to bind via its further moiety;

(13) a pharmaceutical composition (XII) comprising (I), (II), (V), (VI), (VII) or (IX);

(14) use of (X) or a polynucleotide which is capable of expressing ECSM4, its fragment or variant, or which comprises an ECSM4 antisense nucleic acid in the manufacture of a medicament for modulating angiogenesis;

(15) a transgenic non-human mammal (XIII) comprising a transgene which encodes (I) or (II); and

(16) a non-human mammal (XIV) containing an ECSM1 gene or an ECSM4 gene, the gene or genes are missing or mutated.

ACTIVITY - Cytostatic; Antipsoriatic; Antidiabetic; Ophthalmological; Antiarteriosclerotic; Cardiant; Gynecological.

MECHANISM OF ACTION - Gene therapy; modulator or inhibitor of angiogenesis (claimed).

No supporting data is given.

USE - (I) is useful for screening for a molecule that binds to ECSM4 or its suitable variant, fragment or a fusion of the fragment. (III) is useful for imaging vascular endothelium in the body of the individual, for diagnosing or prognosing in an individual a condition which involves the vascular endothelium (preferably, neovasculature), by detecting the location of the compound in the individual having cancer. (III) is useful for treating proliferative disease or a condition involving the vascular endothelium such as cancer, psoriasis, diabetic retinopathy, arteriosclerosis or menorrhagia, for manufacture of diagnostic or prognostic agent for a condition (cancer) which involves the vascular endothelium, for manufacture of agents for imaging the vasculature (cancer neovasculature) in a body of an individual, for manufacture of medicaments for treating cancer, for introducing genetic material selectively into vascular endothelial cell. (V) is useful for diagnosing a condition which involves aberrant or excessive growth of vascular endothelium in an individual. (III) or (IX) is useful for detecting endothelial damage or activation, detecting a tumor or tumor neovasculature, cardiac disease, endometriosis or arteriosclerosis in a fluid sample from an individual by detecting the presence of fragments of ECSM1 or ECSM4 in a sample and comparing the amount in a sample from the individual who does not have any of the above mentioned disease and the comparison indicates

the efficacy of treatment of the individual. The endothelial damage is diagnostic of cancer, cardiac disease, endometriosis or arteriosclerosis in the individual. (X) is useful in gene therapy for treating a hypoxic condition such as cancer, cardiac disease, endometriosis or arteriosclerosis and in the manufacture of medicaments for treating the above disease. (M1) is useful for modulating angiogenesis in an individual. (M2) is useful for reducing the expression of ECSM4 or ECSM1 polypeptide. (III), (I), (II), (V), (VII) and (IX) are useful in medicine (all claimed). (V) or (VI) is useful as probes or primers in PCR. (IX) is useful as research reagent. (XIII) is useful as models of diseases involving abnormal vascularization.

pp; 248 DwgNo 0/27

Title Terms: NOVEL; ENDOTHELIUM; CELL; SPECIFIC; MOLECULAR; POLYPEPTIDE; USEFUL; IMAGE; DIAGNOSE; TREAT; CONDITION; VASCULAR; ENDOTHELIUM; CANCER; CARDIAC; DISEASE; DIABETES

Derwent Class: B04; D16; K08; P14; S03

International Patent Class (Main): C12N-015/12

International Patent Class (Additional): A01K-067/027; A61K-031/713;

A61K-038/16; A61K-048/00; C07K-014/705; C07K-016/18; C12N-005/10;

C12N-015/11; G01N-033/68

File Segment: CPI; EPI; EngPI

13/5/6 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014669991 **Image available**

WPI Acc No: 2002-490695/200252

SRPX Acc No: N02-387889

Web crawling method in search engine, involves identifying web pages in which labeled sub-components are added or removed as changed web pages

Patent Assignee: UNIV JOHNS HOPKINS (UYJO)

Inventor: GREEN J; SCHULTZ J

Number of Countries: 099 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200250703	A1	20020627	WO 2001US48291	A	20011214	200252 B
AU 200230824	A	20020701	AU 200230824	A	20011214	200264

Priority Applications (No Type Date): US 2000255392 P 20001215

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200250703 A1 E 29 G06F-017/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 200230824 A G06F-017/00 Based on patent WO 200250703

Abstract (Basic): WO 200250703 A1

NOVELTY - A web traffic comprising web pages, is monitored at multiple points between a web server and a user. Each web page is recursively parsed into sub-components which is assigned with a unique fingerprint. The sub-components whose fingerprints recur in monitored web traffic are labeled. The web pages in which labeled sub-component is added/removed are identified as changed web pages and are announced to data - mining applications (8) without any duplicate information about changed web pages.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Dynamically generated content filtering method; and

(2) **Web** crawling program.

USE - For **web** crawling for use by **data - mining** application such as search engine for handling static and dynamic content to locate and monitor information in **Internet**.

ADVANTAGE - Limits the resources required for **web** servers to service **web** crawlers. Avoids custom time consuming **integration** with **web** servers to access dynamic content, in favor of a universal black box solution. Discovers and monitors substantive content blocks that are common to many **web** pages. Limits announcement of new content to **web** pages **containing** substantive content changes. Updates **web** content indices based upon a changing infinite **graph** model of the **web**. Explores and monitors both dynamic and static contents.

DESCRIPTION OF DRAWING(S) - The figure shows the operation of several new crawlers (NCs) working together to feed many **data - mining** applications through duplication filter.

Data - mining applications (8)

pp; 29 DwgNo 3/3

Title Terms: **WEB** ; CRAWL; METHOD; SEARCH; ENGINE; IDENTIFY; **WEB** ; PAGE;

LABEL; SUB; COMPONENT; ADD; REMOVE; CHANGE; **WEB** ; PAGE

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

13/5/7 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014584672 **Image available**

WPI Acc No: 2002-405376/200243

XRPX Acc No: N02-318237

Knowledge management systems using the DISHA platform e.g. for Internet , includes a knowledge architecture and a series of Access Maps which connect the different bodies of knowledge

Patent Assignee: VENKATRAM S (VENK-I)

Inventor: VENKATRAM S

Number of Countries: 088 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200233507	A2	20020425	WO 2001IN171	A	20011008	200243 B
US 20020047857	A1	20020425	US 2000242385	A	20001020	200243
			US 2001902263	A	20010710	
AU 200221026	A	20020429	AU 200221026	A	20011008	200255

Priority Applications (No Type Date): US 2000242385 P 20001020; US 2001902263 A 20010710

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200233507 A2 E 32 G06F-000/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020047857 A1 G09G-005/12 Provisional application US 2000242385

AU 200221026 A G06F-000/00 Based on patent WO 200233507

Abstract (Basic): WO 200233507 A2

NOVELTY - User goal oriented knowledge architecture and navigational system for real-time determination and submission of specific knowledge needs of a knowledge seeker comprises: a knowledge architecture including bodies of knowledge classified on basis of outcomes or task goals of the knowledge seeker; a series of Access Maps which connect the different bodies of knowledge, and upon request for

specific knowledge task, the maps **integrate** the different knowledge bodies and access knowledge for the particular task.

DETAILED DESCRIPTION - INDEPENDENT CLAIM included for the following: access map; method of seeking knowledge

USE - For the **Internet**.

ADVANTAGE - Provides a system of built-in modularity comprising interconnected navigational structures each of which is focused on specific blocks such as people, tasks or processes, but which collectively develop into an organizational architecture. The DISHA Platform further provides a knowledge architecture that accurately reflects the knowledge and information requirements of various sub-components and sub-systems **within** an organization. The DISHA Platform also **integrates** the various retrieval and storage mechanisms into modular, **visual** structures that describe the work being done by the organization.

DESCRIPTION OF DRAWING(S) - The diagram shows the general model for the DISHA architecture, describing the various components of DISHA.

pp; 32 DwgNo 1A/10

Title Terms: MANAGEMENT; SYSTEM; PLATFORM; ARCHITECTURE; SERIES; ACCESS; MAP; CONNECT; BODY

Derwent Class: P85; T01; W04

International Patent Class (Main): G06F-000/00; G09G-005/12

File Segment: EPI; EngPI

13/5/8 (Item 6 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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014419090 **Image available**

WPI Acc No: 2002-239793/200229

Related WPI Acc No: 2001-602760; 2002-239784; 2002-291634; 2002-566433

XRFX Acc No: N02-184964

User information acquiring and utilizing method in interactive toy system, involves acquiring information from user by interactive toy to provide several unlimited observations

Patent Assignee: CREATOR LTD (CREA-N)

Inventor: GABAI J; GABAI O; PFEFFER Z; ROSENFELD S; SANDLERMAN N; VECHT-LIFSCHITZ S E; WEISS N; YURAN N

Number of Countries: 095 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200170361	A2	20010927	WO 2001IL268	A	20010320	200229 B
AU 200144498	A	20011003	AU 200144498	A	20010320	200229

Priority Applications (No Type Date): US 2001267350 P 20010208; US 2000192011 P 20000324; US 2000192012 P 20000324; US 2000192013 P 20000324; US 2000192014 P 20000324; US 2000193697 P 20000331; US 2000193699 P 20000331; US 2000193702 P 20000331; US 2000193703 P 20000331; US 2000193704 P 20000331; US 2000195861 P 20000407; US 2000195862 P 20000407; US 2000195863 P 20000407; US 2000195864 P 20000407; US 2000195865 P 20000407; US 2000195866 P 20000407; US 2000196227 P 20000410; US 2000197573 P 20000417; US 2000197576 P 20000417; US 2000197577 P 20000417; US 2000197578 P 20000417; US 2000197579 P 20000417; US 2000200508 P 20000428; US 2000200513 P 20000428; US 2000200639 P 20000428; US 2000200640 P 20000428; US 2000200641 P 20000428; US 2000200647 P 20000428; US 2000203175 P 20000508; US 2000203177 P 20000508; US 2000203182 P 20000508; US 2000203244 P 20000508; US 2000204200 P 20000515; US 2000204201 P 20000515; US 2000207126 P 20000525; US 2000207128 P 20000525; US 2000208105 P 20000526; US 2000208390 P 20000530; US 2000208391 P 20000530; US 2000208392 P 20000530; US 2000209471 P 20000605; US 2000210443 P 20000608; US 2000210445 P 20000608; US 2000212696 P 20000619; US 2000215360 P 20000630; US 2000216237 P 20000705; US 2000216238 P 20000705; US 2000217357 P 20000712; US 2000219234 P 20000718; US 2000220276 P 20000724; US 2000221933 P 20000731; US 2000223877 P 20000808; US 2000227112 P 20000822; US 2000229371 P 20000830; US 2000229648 P

20000831; US 2000231103 P 20000908; US 2000231105 P 20000908; US
2000234883 P 20000925; US 2000234895 P 20000925; US 2000239329 P 20001010
; US 2000253362 P 20001127; US 2000250332 P 20001129; US 2000254699 P
20001207

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200170361 A2 E 639 A63H-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200144498 A A63H-000/00 Based on patent WO 200170361

Abstract (Basic): WO 200170361 A2

NOVELTY - Several interactive toys (1021-1025) are connected through a network such as **Internet** (1040). Any one of the interactive toys are employed to obtain an information from the user. The information obtained from the user is utilized by the toys to provide several observations which are limited to a specific constraint.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Schedule monitoring toy system;
- (b) Follow-me toy system;
- (c) Speech responsive networked diary toy system;
- (d) Child messaging toy system;
- (e) **Virtual** parenting toy system;
- (f) User location monitoring toy-diary;
- (g) Computerized guide system for blind user;
- (h) Parental surrogate toy;
- (i) **Web** -browsing system;
- (j) **Knowledge management** system;
- (k) Interactive persona system;
- (l) Multi-toy location system; Toy-communication functionality;
- (m) Multi-toy co-ordinated activity system;
- (n) Interactive toy communication system;
- (o) Toy cloning functionality;
- (p) Toy personality functionality;
- (q) Interactive toy system;
- (r) Schedule monitoring toy methodology;
- (s) Follow-me toy methodology;
- (t) Supervised network organizer methodology;
- (u) Child messaging toy methodology;
- (v) **Virtual** parenting toy methodology;
- (w) Toy methodology system;
- (x) User location monitoring toy diary methodology;
- (y) Computerized guide methodology;
- (z) Parental surrogate toy methodology;
- (aa) **Web** -browsing methodology;
- (bb) **Knowledge management** methodology; Interactive persona methodology;
- (cc) Intertoy communication methodology;
- (dd) Multitoy communication methodology; Multitoy location methodology;
- (ee) Multitoy coordinated activity methodology;
- (ff) **Integrated** toy-game methodology;
- (gg) Toy cloning methodology;
- (hh) Interactive toy methodology

USE - Used in interactive toy system in conjunction with computer system for various applications such as online marketing and purchasing, advertising, for providing training and practice language of model skills (claimed), educational methodologies, games, for evaluating nutritional habits, computerized guide system for blind users (claimed). Also used for **web** -browsing (claimed), employment exchange information provision, information management (claimed),

knowledge management (claimed), toys and games provision for child (claimed), virtual intersection between parent and child (claimed), etc.

ADVANTAGE - Since the information tracking/observation is not limited to any specific applications, various information are acquired for a particular user, which reflects the improvement of toy manufacturing.

DESCRIPTION OF DRAWING(S) - The figure shows the simplified partial pictorial and schematic illustration of interactive toy system.

Toys (1021-1025)

Internet (1040)

pp; 639 DwgNo 1/360

Title Terms: USER; INFORMATION; ACQUIRE; UTILISE; METHOD; INTERACT; TOY;

SYSTEM; ACQUIRE; INFORMATION; USER; INTERACT; TOY; UNLIMITED; OBSERVE

Derwent Class: P36; T01; W04

International Patent Class (Main): A63H-000/00

File Segment: EPI; EngPI

13/5/9 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014415260 **Image available**

WPI Acc No: 2002-235963/200229

XRFX Acc No: N02-181289

Dyslexia detection using handwriting pattern recognition systems, involves determining pattern of input characters corresponding to distorted characters that are stored in database

Patent Assignee: REITANO C T (REIT-I); REITANO C (REIT-I)

Inventor: REITANO C T; REITANO C

Number of Countries: 096 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6304667	B1	20011016	US 2000598577	A	20000621	200229 B
WO 2003015014	A1	20030220	WO 2001US24981	A	20010809	200315 N

Priority Applications (No Type Date): US 2000598577 A 20000621; WO 2001US24981 A 20010809

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 6304667	B1	15	G06K-009/68		
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WO 2003015014	A1	E	G06K-009/68		
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): US 6304667 B1

NOVELTY - A set of distorted characters is stored in a database. A correspondence between each character input by an user, and one of the distorted characters is detected. A pattern of input characters corresponding to the distorted characters is determined and the determined pattern is reported.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for dyslexia detection system.

USE - For detecting dyslexia using handwriting pattern recognition systems.

ADVANTAGE - The method does not require any advances in the basic technology in handwriting analysis. It merely requires the expansion of the available character sets to include the models of distorted characters typically generated by dyslexia. The method can be incorporated into simple word games currently available on computer and internet systems for young children of pre-school and early

school age, thus providing the early warning so urgently needed.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of dyslexia detection method.

pp; 15 DwgNo 2/9

Title Terms: DYSLEXIA; DETECT; HANDWRITING; PATTERN; RECOGNISE; SYSTEM; DETERMINE; PATTERN; INPUT; CHARACTER; CORRESPOND; DISTORT; CHARACTER; STORAGE; DATABASE

Derwent Class: T01; T04

International Patent Class (Main): G06K-009/68

File Segment: EPI

13/5/10 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014408810 **Image available**

WPI Acc No: 2002-229513/200229

XRPX Acc No: N02-176488

Digital image semicircular pattern detecting method involves storing distances between center line and edge of target semicircle image in dictionary using specific pattern as starting point

Patent Assignee: RICOH KK (RICO)

Inventor: KAWANO M; MIYAZAWA T; SHIMURA H; TACHIKAWA M; YAMAGATA H

Number of Countries: 028 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1156444	A1	20011121	EP 2001111917	A	20010517	200229 B
US 20020006223	A1	20020117	US 2001855665	A	20010516	200229
JP 2001331805	A	20011130	JP 2000147405	A	20000519	200229

Priority Applications (No Type Date): JP 2000147405 A 20000519

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1156444	A1	E	17	G06K-009/46	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20020006223	A1		G06K-009/48
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JP 2001331805	A	6	G06T-007/60
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Abstract (Basic): EP 1156444 A1

NOVELTY - Distances between center line and edge of target semicircle image are stored in a dictionary (4) using a specific pattern in the input image as a starting point. A semicircle is determined, when the number of error main scanning lines on which preset edge pattern not within the stored distance range is less than a threshold value.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Digital image semicircular pattern detecting system;
- (b) Digital image semicircular pattern detecting program;
- (c) Recording medium storing digital image semicircular pattern detecting program

USE - For detecting semicircular pattern in digital image input by scanner or through Internet .

ADVANTAGE - Enables accurately detecting semicircular pattern in the digital image in a short time irrespective of the size of the pattern and discontinuities in the edges of the pattern, by detecting distances between center line and edge of target pattern using a specific pattern in the input image as a starting point.

DESCRIPTION OF DRAWING(S) - The figure shows a digital image semicircular pattern detecting system.

Dictionary (4)

pp; 17 DwgNo 1/8

Title Terms: DIGITAL; IMAGE; SEMICIRCULAR; PATTERN; DETECT; METHOD; STORAGE ; DISTANCE; LINE; EDGE; TARGET; SEMICIRCULAR; IMAGE; DICTIONARY; SPECIFIC

; PATTERN; START; POINT

Derwent Class: T01; T04

International Patent Class (Main): G06K-009/46; G06K-009/48; G06T-007/60

International Patent Class (Additional): G06T-007/00

File Segment: EPI

13/5/11 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014358477 **Image available**

WPI Acc No: 2002-179178/200223

XRFX Acc No: N02-136287

Executable web -object trading system for Internet browsers,
authorizes users for selection of web -objects and embeds selected web
-objects in web -page for providing specific feature

Patent Assignee: TSAI F (TSAI-I)

Inventor: TSAI F

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020010671	A1	20020124	US 2000747996	A	20001227	200223 B
TW 477943	A	20020301	TW 2000113631	A	20000707	200305

Priority Applications (No Type Date): TW 2000113631 A 20000707

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020010671	A1	17	G06F-017/60	
TW 477943	A		G06F-019/00	

Abstract (Basic): US 20020010671 A1

NOVELTY - A database stores several executable web -objects.
Another database records registered data of user. A linking module
compares login record of the user with registered data to check the
authorization of the user for selecting web -objects. A web -object
embedding module embeds the user-selected web -object to a web -page
for providing predetermined feature.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:

(a) Executable web -object trading method;

(b) Executable web -object trading system implementation method

USE - For web -site creators, and Internet browsers, web
-object designers.

ADVANTAGE - Facilitates web -site creators to create a web -site
with various features bought from the system, easily and rapidly.
Requires very few expertise and less experience for the web -site
creators to create a web -site. Provides data mining service to
compile statistical data for web -site creators. Provides a platform
for the search engines, web -site creators and browsers to interact
such that better service and higher efficiency of the Internet is
achieved.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram
illustrating the facilities and media used by the web -site creators,
network browsers and experts to access the web -object trading system.

pp; 17 DwgNo 1/6

Title Terms: EXECUTE; WEB ; OBJECT; TRADE; SYSTEM; AUTHORISE; USER; SELECT
; WEB ; OBJECT; EMBED; SELECT; WEB ; OBJECT; WEB ; PAGE; SPECIFIC;
FEATURE

Derwent Class: T01

International Patent Class (Main): G06F-017/60; G06F-019/00

International Patent Class (Additional): G06F-015/16

File Segment: EPI

13/5/12 (Item 10 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014331620 **Image available**
WPI Acc No: 2002-152323/200220
XRPX Acc No: N02-115690

Consultation service system using Internet connects server equipped with analytic database, and integrating unit for producing estimate rule

Patent Assignee: SOFUNEKKU KK (SOFU-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001338155	A	20011207	JP 2000156684	A	20000526	200220 B

Priority Applications (No Type Date): JP 2000156684 A 20000526

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001338155	A	10	G06F-017/60	

Abstract (Basic): JP 2001338155 A

NOVELTY - The consultation service system connects a server equipped with an analytic database and an **integrating** unit for producing an estimate rule using **data mining** technique. The **integrating** unit **integrates** the estimate rule in an **Internet** web site using a **recording** medium or private circuit and meets estimate service provision demand from a user.

USE - Consultation service system using **Internet** for financial institution.

ADVANTAGE - Irregular access is prevented in consultation service system, therefore safe estimate service is provided. ,

DESCRIPTION OF DRAWING(S) - The figure shows the entire block diagram of estimate rule production process and consultation service process. (Drawing includes non-English language text).

pp; 10 DwgNo 3/7

Title Terms: SERVICE; SYSTEM; CONNECT; SERVE; EQUIP; DATABASE; **INTEGRATE** ; UNIT; PRODUCE; ESTIMATE; RULE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-019/00

File Segment: EPI

13/5/13 (Item 11 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014277426
WPI Acc No: 2002-098128/200213
XRPX Acc No: N02-072479

Search method for electronic data files through networked system, involves generating hit records associated with each descriptor data that identifies specific electronic files, by searching of database

Patent Assignee: MORRIS W N (MORR-I); NGO O T (NGOO-I); NGUYEN T N (NGUY-I)

Inventor: MORRIS W N; NGO O T; NGUYEN T N

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200197085	A1	20011220	WO 2001US18847	A	20010611	200213 B
US 20020023077	A1	20020221	US 2000210482	P	20000612	200221
			US 2001876901	A	20010611	
AU 200168333	A	20011224	AU 200168333	A	20010611	200227

Priority Applications (No Type Date): US 2000210482 P 20000612; US 2001876901 A 20010611

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200197085 A1 E 57 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020023077 A1 G06F-017/30 Provisional application US 2000210482

AU 200168333 A G06F-017/30 Based on patent WO 200197085

Abstract (Basic): WO 200197085 A1

NOVELTY - The hit **record** associated with each of the M and N descriptor data, identifies electronic files meeting specific criteria, is generated by searching a database, based on receiving several descriptor and search command data from a manual interface. The M and N data are logically paired to generated M asterisk N pairs and associated hit **records**.

USE - For searching electronic data files storing information from sources such as newspaper, technical journals, government publications, literary works and also **containing** customer profiles, medical **records**, criminal **records**, internal memoranda laws, court-opinions, business **reports**, public **records**, etc., distributed through networked systems of digital computers and **document** generation and management devices, accessible through WANs, world wide **web**, **virtual** private networks (VPN), **Internet**.

ADVANTAGE - Performs predefined and user defined searches, that presents user with a comprehensive overview of search statistics corresponding to **matrix** concept, quickly and also links the search **document** to the user interface. Performs entire **knowledge management** process of searching, collecting, analyzing, organizing and **reporting**, to files, **documents**, **web** pages, databases located in the user's computer, network or **Internet**.

pp; 57 DwgNo 0/12

Title Terms: SEARCH; METHOD; ELECTRONIC; DATA; FILE; THROUGH; SYSTEM;
GENERATE; HIT; **RECORD**; ASSOCIATE; DESCRIBE; DATA; IDENTIFY; SPECIFIC;
ELECTRONIC; FILE; SEARCH; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

13/5/14 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014180460 **Image available**

WPI Acc No: 2002-001157/200201

XRPX Acc No: N02-000862

Graphical **object** generation and control method using internet ,
involves assigning attributes and operations such as triggering of
property file or producing cloning control instructions, to clones of
graphical **objects**

Patent Assignee: CARELS INNOVATIVE SOFTWARE BVBA/SPRL (CARE-N)

Inventor: CARELS D; VERHOEST S

Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1152330	A1	20011107	EP 2000640006	A	20000504	200201 B
WO 200184308	A1	20011108	WO 2001EP5179	A	20010503	200201
AU 200170510	A	20011112	AU 200170510	A	20010503	200222

Priority Applications (No Type Date): EP 2000640006 A 20000504

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 EP 1152330 A1 E 51 G06F-009/44
 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
 LI LT LU LV MC MK NL PT RO SE SI
 WO 200184308 A1 E G06F-009/44
 Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
 CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
 KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
 RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
 AU 200170510 A G06F-009/44 Based on patent WO 200184308

Abstract (Basic): EP 1152330 A1

NOVELTY - **Graphical** object set **within** library of classes, is cloned using preset property file in server. Attributes and specific operations required by elementary tasks are assigned to each clone. Operations are either, triggering of property file having cloning control instructions (CCI) or producing CCI during run time, to execute next task. Clones are assembled in plug-in container associated to the browser in client.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) **Graphical** object set assembling process on client;
- (b) **Document** production in application;
- (c) Navigation for explaining data structure

USE - For generating and controlling set of **graphical** objects in a client server environment for business applications with computer with complex **data mining** structures.

ADVANTAGE - As attributes and operations are assigned to each clone, the same clones can be used for wide variety of tasks, hence complex business application requiring several number of HTML pages are simplified.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the process involved during log-on and password checking procedure.

pp; 51 DwgNo 7/29

Title Terms: **GRAPHICAL** ; OBJECT; GENERATE; CONTROL; METHOD; ASSIGN; ATTRIBUTE; OPERATE; TRIGGER; PROPERTIES; FILE; PRODUCE; CLONE; CONTROL; INSTRUCTION; CLONE; **GRAPHICAL** ; OBJECT

Derwent Class: T01

International Patent Class (Main): G06F-009/44

File Segment: EPI

13/5/15 (Item 13 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
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014049658 **Image available**

WPI Acc No: 2001-533871/200159

Method of business support in knowledge management system

Patent Assignee: SK TELECOM CO LTD (SKTE-N)

Inventor: HONG M G; KANG Y C; KWON G H; LEE C H; LEE D S; LEE M S; MIN G D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001025501	A	20010406	KR 200086785	A	20001230	200159 B

Priority Applications (No Type Date): KR 200086785 A 20001230

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001025501	A		1	G06F-017/00	

Abstract (Basic): KR 2001025501 A

NOVELTY - A method of business support in a **knowledge management**

system is provided to make all staff of a company understood in the business under their charge through computer network like **internet** in a short period.

DETAILED DESCRIPTION - A **knowledge management** page is provided via a computer network to a user(301) after the user logged on a **knowledge management** server(201-206). The home page **contains** a service selection menu so that the users select a request of registration of knowledge information, a request of reading and a business support service in the computer network. If the business support service is selected among the menu by the user, a business field selection window is **displayed** to the user(402). If a specific field is selected in the business field selection window, a map for conducting a job of corresponding field and an activity explanation window of corresponding business field are **displayed** to the user(404,406). If a menu is selected in the activity explanation window, a knowledge information list window related to the corresponding business and a detail content are **displayed** to the user(408). If an expert guidance menu is selected in the knowledge information list window, an expert list window is **displayed** to the user(611). If an expert is selected in the expert list window, a profile of the expert is **displayed** to the user(613).

pp; 1 DwgNo 1/10

Title Terms: METHOD; BUSINESS; SUPPORT; MANAGEMENT; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

13/5/16 (Item 14 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014004705 **Image available**

WPI Acc No: 2001-488919/200153

XRAM Acc No: C01-146870

. XRPX Acc No: N01-361715

Assessing status of cellular pathway such as cell growth, cell death pathway, by applying cell lysate containing cellular pathway molecules to immobilized series of binding reagents which discriminate the molecules

Patent Assignee: IMMUNOMATRIX INC (IMMU-N)

Inventor: DAY A R; LIOTTA L A; PAWLELETZ K L; PETRICOIN E F

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200157530	A1	20010809	WO 2001US3535	A	20010202	200153 B
AU 200133276	A	20010814	AU 200133276	A	20010202	200173

Priority Applications (No Type Date): US 2000179997 P 20000203

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200157530	A1	E	56	G01N-033/53
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200133276 A G01N-033/53 Based on patent WO 200157530

Abstract (Basic): WO 200157530 A1

NOVELTY - Assessing (M1) the status of a selected signal transduction pathway (STP) in cells, comprises generating a cell lysate containing components of STP proteins, retaining STP molecules in states, applying lysate to an immobilized series of binding reagents (BR) which discriminate STP molecules, identifying binding events

between STP molecules and BR and determining the state of the selected STP.

DETAILED DESCRIPTION - Assessing (M1) the status of a selected signal transduction pathway (STP) in cells, comprises generating a cell lysate **containing** components of STP proteins, retaining STP molecules in one or more states, applying lysate to an immobilized series of binding reagents (BR) which discriminate STP molecules, identifying binding events between STP molecules and BR and determining the state of the selected STP. The lysate **contains** components of STP proteins. The STP molecules are retained in one or more states such as inactive, activated, activity altered, phosphorylated, cleaved, modified and bound, which reflects signal transduction events taking place in the cells. The lysate is applied to immobilized BR and the state of STP is determined by identifying binding between the STP molecules and BR.

INDEPENDENT CLAIMS are also included for the following:

(1) elucidating (M2) complex protein-protein interactions **within** defined protein pathways and protein networks in cells, by:

(a) generating a lysate of cells **containing** one or more protein components of the protein-protein interactions;

(b) applying the lysate to an immobilized series of BR which discriminate one or more protein components; and

(c) identifying binding events between the protein components and BR;

(2) a cellular STP profiling device (100) (D) for use in determining the presence of several analytes in a lysate of a sample of cells, comprising a porous support member (110) and many BR arranged and immobilized at several reaction sites on the support member, where the BR are selected and arranged to assess the status of a selected protein-protein interaction network when the lysate is applied on it;

(3) determining (M3) the state of a portion of a signal pathway or network in a cell, by:

(a) solubilizing the cellular contents;

(b) exposing the contents to a series of labeled BR to form a pattern of binding events; and

(c) analyzing the pattern of binding events;

(4) identifying (M4) proteins involved in cellular signaling or networks, by:

(a) exposing cells to one of a phosphatase inhibitor followed by a drug such that the phosphorylation state of one or more molecules is changed;

(b) analyzing patterns of groups of at least 2 phosphorylated molecules before and after exposure to the drug;

(c) exposing cells to a molecule which perturbs one or more pathways; and

(d) comparing the patterns before and after exposure of the cells to the molecule; and

(5) identifying (M5) a repertoire of proteins that serve as acceptors for phosphorylation, by:

(a) treating a biological sample with one or more compounds that inhibit protein tyrosine and/or serine/threonine phosphatase activity;

(b) isolating and lysing cells of interest;

(c) selecting and enriching for phosphorylated proteins using antibodies on an immobilized bait to produce an enriched fraction;

(d) separating the phosphoproteins in the enriched fraction;

(e) identifying a primary amino acid sequence of the separated proteins; and

(f) identifying binding molecules that specifically bind to the separated proteins.

USE - (M1) is useful for assessing the status of a signal transduction pathway such as cell growth, cell differentiation, cell death, cell movement, gene transcription regulation, hormonal autocrine or paracrine stimulation and cell adhesion pathways. Identifying (M4) proteins involved in cellular signaling or networks is useful for determining therapeutic efficacy and toxicity of a preselected molecule being evaluated for therapeutic potential. A cellular STP profiling device (D) is useful for determining the presence of several analytes

in a cell lysate, to assess the status of a protein-protein interaction network i.e. STP relevant to a disease state, such as cancer, brain disease, cardiac disease or allergy. The immobilized BR quantitatively assesses the status of a series of STP proteins or other protein-protein interaction network, their phosphorylated or activated state and their binding partner, in a cell sample (claimed). Knowledge of the pathway status can be used by a diagnostician or clinician to determine the health of the sampled cells, drug or other treatment efficacy or toxicity, to identify candidates for selected therapies, to aid in therapy selection for a given subject and to determine drug toxicities.

DESCRIPTION OF DRAWING(S) - The figure shows the cellular signaling transduction pathway profiling device.

cellular signal transduction pathway profiling device (100)

porous support member (110)

pp; 56 DwgNo 1/21

Title Terms: ASSESS; STATUS; CELLULAR; PATH; CELL; GROWTH; CELL; DEAD; PATH
; APPLY; CELL; LYSATE; CONTAIN; CELLULAR; PATH; MOLECULAR; SERIES; BIND;
REAGENT; DISCRIMINATE; MOLECULAR

Derwent Class: B04; D16; S03

International Patent Class (Main): G01N-033/53

International Patent Class (Additional): G01N-033/543

File Segment: CPI; EPI

13/5/17 (Item 15 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013978350 **Image available**

WPI Acc No: 2001-462564/200150

Method for customer marketing using knowledge discovery

Patent Assignee: KOREA ELECTRONICS & TELECOM RES INST (KOEL-N)

Inventor: HAM H S; JANG C S; KIM J B; KIM S H; PARK S B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001004460	A	20010115	KR 9925137	A	19990629	200150 B

Priority Applications (No Type Date): KR 9925137 A 19990629

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001004460	A	1	G06F-017/60	

Abstract (Basic): KR 2001004460 A

NOVELTY - A method for customer marketing using **knowledge discovery** is provided to supply a GUI(**Graphical User Interface**) form of decision making materials for establishing marketing strategy to an **internet** shop manager and a stored procedure form of a purchase pattern information extract method for **internet** store customers' purchase informations, and to improve the program execution time.

DETAILED DESCRIPTION - A method for customer marketing using **knowledge discovery** is **composed** of creation, combination, and extraction. A candidates list is extracted and combined from a transaction **table** that investigates the linked regulations of a customer's purchase information(21). The unnecessary items of the candidates list set are eliminated from the list(22). From the new candidates list set, a transaction list, which is a support rate **table** (23), and a major item list set are created by joining the candidates list set and the transaction list's **table** for the item support rate(24). A sufficient item set, which satisfies the minimum support rate, is extracted from the major list set(25).

pp; 1 DwgNo 1/10

Title Terms: METHOD; CUSTOMER; MARKET; DISCOVER

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

13/5/18 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013967180 **Image available**
WPI Acc No: 2001-451394/200148
XRPX Acc No: N01-334241

Electronic commerce activity tracking and reporting method over web site, involves accepting commerce information within data fields of web page at computer, so as to form completed web page
Patent Assignee: SHAPIRA E (SHAP-I); WEBTRENDS CORP (WEBT-N)
Inventor: LU V; SHAPIRA E
Number of Countries: 092 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200133470	A1	20010510	WO 2000US30647	A	20001106	200148 B
AU 200115879	A	20010514	AU 200115879	A	20001106	200149
EP 1244984	A1	20021002	EP 2000978413	A	20001106	200265
			WO 2000US30647	A	20001106	

Priority Applications (No Type Date): US 99163710 P 19991105

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200133470 A1 E 16 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR' CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200115879 A G06F-017/60 Based on patent WO 200133470

EP 1244984 A1 E G06F-017/60 Based on patent WO 200133470

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200133470 A1

NOVELTY - A web page with data fields reflecting commerce transaction activity and data mining code, is stored on server (12) coupled to WAN. Web page is uploaded to computer (14) in response to request over WAN from computer. Commerce information within data fields of web page are accepted to form completed web page. Data mining code is operated on computer to obtain technical and commercial data from server (20).

USE - For tracking and reporting electronic commerce activity over web site.

ADVANTAGE - In addition to viewing of the reports, the account owner can also define the time periods, during which information can be displayed in specific format.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of Internet depicting electronic commerce activity tracking and reporting method.

Servers (12,20)

Computer (14)

pp; 16 DwgNo 1/5

Title Terms: ELECTRONIC; ACTIVE; TRACK; REPORT; METHOD; WEB; SITE; ACCEPT; INFORMATION; DATA; FIELD; WEB; PAGE; COMPUTER; SO; FORM; COMPLETE; WEB; PAGE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

13/5/19 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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013913762 **Image available**

WPI Acc No: 2001-397975/200142

XRPX Acc No: N01-293335

Indexing system for a database in single computer or in a distributed
computational system for managing healthcare documents provides single
flexible query interface to analyzing software independent of actual
document format

Patent Assignee: MEDICAL DATA SERVICES GMBH (MEDI-N)

Inventor: ELFERING I; RESCHKE J

Number of Countries: 020 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200140966	A2	20010607	WO 2000EP11791	A	20001124	200142 B

Priority Applications (No Type Date): GB 9928210 A 19991129

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200140966	A2	E	16	G06F-017/00
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Designated States (National): US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE TR

Abstract (Basic): WO 200140966 A2

NOVELTY - The indexing system includes: 1. A name uniquely
identifying an index for a specific document format; 2. A name of the
format to which this index applies; 3. A document-part which is a
pattern which is matched against the document and for each match,
generating a value of the index and storing it in the database; 4. A
value-conversion statement to convert the matched document-part to
the index value; 5. A value for an index for a specific matched part of
a document; 6. A tag which is a pattern identifying the part of
the document which was matched in order to produce the value; 7. A
block-ID that is an identifier which is unique inside a specific
document.

Properties 1 to 4 are configured in the system at setup time and
properties 5 to 7 are generated by the system for each stored document

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a
method for indexing and retrieving documents from an electronic
database.

USE - For intelligent retrieval of documents from a
computer-based storage system. Esp. for healthcare industry.

ADVANTAGE - Overcomes four problems relating to medical documents
, document volume, document formats, document contexts and
document integrity. Allows storage of unaltered documents in modern,
high-volume database systems. Enhances stored documents with
configurable and extendible index information. Provides single,
flexible query interface to analyzing software which is independent of
actual document format. Complexity of analyzing method is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows a virtual indexing
system.

pp; 16 DwgNo 1/1

Title Terms: INDEX; SYSTEM; DATABASE; SINGLE; COMPUTER; DISTRIBUTE;
COMPUTATION; SYSTEM; MANAGE; DOCUMENT; SINGLE; FLEXIBLE; QUERY;
INTERFACE; SOFTWARE; INDEPENDENT; ACTUAL; DOCUMENT; FORMAT

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

13/5/20 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013844504

WPI Acc No: 2001-328717/200134

Related WPI Acc No: 2000-038860; 2001-557379

XRAM Acc No: C01-100820

XRPX Acc No: N01-236565

Identification of patterns in biological systems for diagnosing disease, e.g. colon cancer, includes training and testing learning machine using pre-processed training data set and pre-processed test data set

Patent Assignee: BARNHILL TECHNOLOGIES LLC (BARN-N); BIOWULF TECHNOLOGIES LLC (BIOW-N)

Inventor: BARNHILL S D; GUYON I; WESTON J

Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200131580	A2	20010503	WO 2000US29770	A	20001027	200134 B
AU 200112427	A	20010508	AU 200112427	A	20001027	200149
EP 1236173	A2	20020904	EP 2000973988	A	20001027	200266
			WO 2000US29770	A	20001027	

Priority Applications (No Type Date): US 2000207026 P 20000525; US 99161806 P 19991027; US 99168703 P 19991202; US 2000184596 P 20000224; US 2000191219 P 20000322; US 2000568301 A 20000509; US 2000578011 A 20000524

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200131580	A2	E	136	G06N-003/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200112427	A			G06N-003/00	Based on patent WO 200131580
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EP 1236173	A2	E		G06N-003/00	Based on patent WO 200131580
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200131580 A2

NOVELTY - Patterns in biological systems are identified by pre-processing a training data set from biological data, training a learning machine using the pre-processed training data set, pre-processing a test data set from biological data, testing the trained learning machine using the pre-processed test data set, and post-processing the test output to determine if the identified pattern is desirable.

DETAILED DESCRIPTION - Identification of patterns in biological systems includes pre-processing a training data set derived from biological data to expand each training data point. A learning machine is trained using the pre-processed training data set. A test data set derived from biological data is pre-processed in the same manner with the training data set. The trained learning machine is tested using the pre-processed test data set. In response to receiving the test output of the trained learning machine, the test output is post-processed to determine if the knowledge discovered from the pre-processed test data set is desirable.

INDEPENDENT CLAIMS are also included for the following:

- (1) a computer-readable medium stored with computer-readable instructions for performing the above method;
- (2) a method for enhancing knowledge discovered from biological data using a support vector machine comprising:
 - (a) pre-processing a training data set derived from biological data to add meaning to each training data point;
 - (b) training the support vector machine using the pre-processed training data set;
 - (c) pre-processing a test data set derived from biological data in the same manner as was the training data set;

(d) testing the trained support vector machine using the pre-processed test data set; and

(e) in response to receiving the test output of the trained support vector machine, post-processing the test output to determine if the test-output is an optimal solution;

(3) a system for enhancing knowledge discovered from biological data, comprising:

(a) optionally, a server in communication with a **distributed network** for receiving a training data set, a test data set, a live data set and a financial account identifier from a remote source, the remote source also in communication with the **distributed network** ;

(b) one or more storage devices for storing a training data set and a test data set; and

(c) a processor for executing a learning machine or a support vector machine;

(4) a method for enhancing **knowledge discovery** using multiple support vector machines, comprising:

(a) pre-processing a training data set to add meaning to each of the training data points;

(b) training each support vector machine using the pre-processed training data set, each support vector machines comprising a different kernel;

(c) pre-processing a test data in the same manner as was the training data set;

(d) testing each of the trained support vector machines using the pre-processed test data; and

(e) in response to receiving each of the test outputs from each trained support vector machine, comparing each of the test outputs with each other to determine which if any of the test output is an optimal solution, where the data is biological data;

(5) a method for diagnosing disease using a learning machine or the multiple support vectors as described above;

(6) a method of treating a disease, comprising administering agents to interfere with or enhance the activity of genes or genes products identified by one or more learning machines; and

(7) a diagnostic device, comprising genetic probes that hybridize to genes identified as being associated with a disease by one or more learning machines; and

(8) a system for diagnosing disease using the system of (3) comprising a support vector machine.

USE - For identifying patterns in biological systems for diagnosing disease, e.g. colon cancer or breast cancer (claimed).

ADVANTAGE - The inventive method augments the training data to maximize the **knowledge discovery** by the learning machine and the value of the information delivered for human or further automated processing.

pp; 136 DwgNo 0/36

Title Terms: IDENTIFY; PATTERN; BIOLOGICAL; SYSTEM; DIAGNOSE; DISEASE; COLON; CANCER; TRAINING; TEST; LEARNING; MACHINE; PRE; PROCESS; TRAINING; DATA; SET; PRE; PROCESS; TEST; DATA; SET

Derwent Class: B04; D16; J04; T01

International Patent Class (Main): G06N-003/00

File Segment: CPI; EPI

13/5/21 (Item 19 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013842713 **Image available**

WPI Acc No: 2001-326926/200134

XRPX Acc No: N01-235028

Help function embedding method for graphical user interface, involves retrieving associated help function from memory for display , based on selection of highlighted element

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BENNION L R; CHANG J; MEDL R E
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6209006	B1	20010327	US 97954850	A	19971021	200134 B

Priority Applications (No Type Date): US 97954850 A 19971021

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6209006	B1	7	G06F-015/00	

Abstract (Basic): US 6209006 B1

NOVELTY - Elements in a program interface are selected and provided with stored help functions. A hyperlink is provided between selected elements and help functions. Selected elements are highlighted. To retain help function for each selected elements, **display** window is created. Based on selection of highlighted element, associated help functions are retrieved for **display**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Computer-based **graphical** user interface;
- (b) Help function **embedding** program

USE - For **graphical** user interface used in **data mining** system.

ADVANTAGE - Enables user to identify in advance, whether help information is available, by noting highlighted elements. Enables effective implementation of pop-up definitions with hyper linked terms in non- **Internet** program.

DESCRIPTION OF DRAWING(S) - The figure shows application interface with highlighted selected elements and pop-up help window **display**.

pp; 7 DwgNo 2/4

Title Terms: HELP; FUNCTION; EMBED; METHOD; **GRAPHICAL** ; USER; INTERFACE; RETRIEVAL; ASSOCIATE; HELP; FUNCTION; MEMORY; **DISPLAY** ; BASED; SELECT; HIGHLIGHT; ELEMENT

Derwent Class: T01

International Patent Class (Main): G06F-015/00

International Patent Class (Additional): G06F-013/00

File Segment: EPI

13/5/22 (Item 20 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013788354 **Image available**
WPI Acc No: 2001-272565/200128
XRPX Acc No: N01-194618

Computer based method of delineating lineage between iconic symbol and related object, by recognizing object and graphical **templates** relative to original object by background color and original icon representation

Patent Assignee: INT BUSINESS MACHINES CORP (IBM)

Inventor: MEDL R E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6184881	B1	20010206	US 97954852	A	19971021	200128 B

Priority Applications (No Type Date): US 97954852 A 19971021

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6184881	B1	6	G06F-003/00	

Abstract (Basic): US 6184881 B1

NOVELTY - A screen menu icon representing an object of preset file type, is selected and background color (50) is designated. A **graphical** image (70) encapsulated **within** related **graphical** template series,

is created. Related object and related **graphical** templates are recognized as related to original object by the persistence of background color and original icon **representation**.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for recording medium.

USE - For delineating lineage between iconic symbol and related object, for enhancement of icons which are implemented in IBM PC, multi-nodal system e.g. LAN or networking system, intelligent mining system.

ADVANTAGE - Provides symbol coded **visual** cues to provide status or progress information. Enables effective implementation of symbol coded **visual** cues for relating screen icons and executed process icons.

DESCRIPTION OF DRAWING(S) - The figure shows intelligent data - mining GUI.

Background color (50)

Graphical image (70)

pp; 6 DwgNo 2/3

Title Terms: COMPUTER; BASED; METHOD; DELINEATE; SYMBOL; RELATED; OBJECT; OBJECT; **GRAPHICAL**; TEMPLATE; RELATIVE; ORIGINAL; OBJECT; BACKGROUND; ORIGINAL; REPRESENT

Derwent Class: T01

International Patent Class (Main): G06F-003/00

File Segment: EPI

13/5/23 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013600734 **Image available**

WPI Acc No: 2001-084941/200110

XRPX Acc No: N01-064939

Image processor e.g. personal computer, superimposes three-dimensional image corresponding to pattern of detected two-dimensional bar code to image of object photographed

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000322602	A	20001124	JP 99132037	A	19990512	200110 B

Priority Applications (No Type Date): JP 99132037 A 19990512

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2000322602 A 14 G06T-017/00

Abstract (Basic): JP 2000322602 A

NOVELTY - An identifier identifies two-dimensional bar code pattern, based on the detected two-dimensional bar code **within** the image of object photographed by CCD. The three-dimensional image stored in memory corresponding to **pattern identified** is superimposed on the image of object photographed and the superimposed image is **displayed**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) image processing procedure;

(b) image processing program

USE - Image processor e.g. personal computer.

ADVANTAGE - Since the three-dimensional image corresponding to pattern is superimposed on image of object photographed, vision effect which united actual space and **virtual** space is obtained.

pp; 14 DwgNo 1/16

Title Terms: IMAGE; PROCESSOR; PERSON; COMPUTER; SUPERIMPOSED; THREE; DIMENSION; IMAGE; CORRESPOND; PATTERN; DETECT; TWO; DIMENSION; BAR; CODE; IMAGE; OBJECT; PHOTOGRAPH

Derwent Class: T01; T04
International Patent Class (Main): G06T-017/00
International Patent Class (Additional): G06K-007/10; G06K-019/00;
G06K-019/06; G06T-001/00
File Segment: EPI

13/5/24 (Item 22 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013522411 **Image available**
WPI Acc No: 2001-006617/200101
Related WPI Acc No: 2001-006616; 2001-006618
XRPX Acc No: N01-004768

Computer implemented audio signal processing method for multimedia applications, involves producing real and imaginary resulting vector from input signal and then spatially transform vectors into encoded output

Patent Assignee: MICROSOFT CORP (MICT)

Inventor: MALVAR H S

Number of Countries: 089 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200051014	A2	20000831	WO 2000US4868	A	20000225	200101 B
AU 200036060	A	20000914	AU 200036060	A	20000225	200101

Priority Applications (No Type Date): US 99305690 A 19990505; US 99259669 A 19990226

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200051014 A2 E 55 G06F-017/14

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200036060 A G06F-017/14 Based on patent WO 200051014

Abstract (Basic): WO 200051014 A2

NOVELTY - Real and imaginary window function produces real and imaginary resulting vector from input signal by applying butterfly coefficients. The two vectors are spatially transformed into encoded output with real and imaginary transform coefficients. An enhanced complex frequency coefficients are produced from the transform coefficients and imaginary portions are discarded to produce filtered real coefficients.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) audio processor;

(b) human speech recognizing method

USE - For producing modulated complex lapped transforms (MCLT) for integrated signal enhancement and coding in multimedia application for operations like noise reduction, compression and pattern recognition in digital audio application compact discs internet audio clips, satellite television, digital video discs and wired or cellular telephony.

ADVANTAGE - Performs spectral analysis of digital signal having discrete duration by decomposing the digital signal at predefined frequencies uniformly distributed over sampling frequency interval into complex frequency coefficients so that magnitude and phase information at each frequency is made available immediately. Since acoustic echo cancellation device and noise reducer are integrated with a codec, audio processing performance is improved with reducing in computational complexity, memory usage and processing delay.

DESCRIPTION OF DRAWING(S) - The figure shows the general block flow

diagram illustrating system and method for computing modulated lapped transforms.

pp; 55 DwgNo 3/15

Title Terms: COMPUTER; IMPLEMENT; AUDIO; SIGNAL; PROCESS; METHOD; APPLY;
PRODUCE; REAL; IMAGINARY; RESULT; VECTOR; INPUT; SIGNAL; SPACE; TRANSFORM
; VECTOR; ENCODE; OUTPUT

Derwent Class: T01; W04

International Patent Class (Main): G06F-017/14

File Segment: EPI

13/5/25 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013514585 **Image available**

WPI Acc No: 2000-686531/200067

XRPX Acc No: N01-005545

Data mining method for computer network involves downloading web pages, when uniform resource locator portion and uniform resource locator variable portion respectively matches and differs with that of displayed web page

Patent Assignee: SMART ONLINE INC (SMAR-N)

Inventor: COLLAZO J; NARHARI A; NOURI H

Number of Countries: 086 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045297	A1	20000803	WO 99US26632	A	19991112	200067 B
AU 200014757	A	20000818	AU 200014757	A	19991213	200067

Priority Applications (No Type Date): US 98196794 A 19981120

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200045297 A1 E 66 G06F-017/30

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT UA UG US VZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200014757 A G06F-017/30 Based on patent WO 200045297

Abstract (Basic): WO 200045297 A1

NOVELTY - A root portion and variable portion of URL is determined for the web page which is displayed through network. The set of web pages which have URL root portion matching with that of displayed web pages and URL variable portion different from that of displayed web page are identified within host computer and automatically downloaded to the client computer.

DETAILED DESCRIPTION - The user interface allows user to identify root and variable portion of the URL for displayed web page automatically, when web page is displayed through client computer. An INDEPENDENT CLAIM is also included for the following;

- (a) data collection system;
- (b) data collection program.

USE - For downloading web pages having URL with root portion same or different variable portion, through internet .

ADVANTAGE - Information which is not limited to only text, image sound and video is automatically collected from internet without accessing each file containing the desired information. Value to downloaded information is enhanced because user re-formats the data into various user defined formats easily.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart for data mining method.

pp; 66 DwgNo 4/11

Title Terms: DATA; MINE; METHOD; COMPUTER; NETWORK; WEB ; PAGE; UNIFORM;

RESOURCE; LOCATE; PORTION; UNIFORM; RESOURCE; LOCATE; VARIABLE; PORTION;
RESPECTIVE; MATCH; DIFFER; **DISPLAY** ; **WEB** ; PAGE
Derwent Class: T01; W01
International Patent Class (Main): G06F-017/30
File Segment: EPI

13/5/26 (Item 24 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013025238 **Image available**
WPI Acc No: 2000-197089/200018
XRAM Acc No: C00-061225
XRPX Acc No: N00-146052

Method and system for monitoring a paper web, a paper pulp or a wire traveling in a paper machine comprises imaging a monitored object with a video camera

Patent Assignee: HILDECO LTD OY (HILD-N); HONEYWELL OY (HONE)
Inventor: SNELLMAN J; TOIVONEN J; VALKONEN M
Number of Countries: 025 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 979995	A1	20000216	EP 99660120	A	19990709	200018 B
FI 9801736	A	20000213	FI 981736	A	19980812	200022
FI 9900427	A	20000902	FI 99427	A	19990301	200058
FI 109939	B1	20021031	FI 981736	A	19980812	200280

Priority Applications (No Type Date): FI 99427 A 19990301; FI 981736 A 19980812

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 979995	A1	E	17	G01N-021/89	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
FI 9801736	A			G01B-011/00	
FI 9900427	A			G01N-021/89	
FI 109939	B1			G01B-011/00	Previous Publ. patent FI 9801736

Abstract (Basic): EP 979995 A1

NOVELTY - A method for monitoring a paper web traveling in a paper machine comprises imaging a monitored object with a video camera (1), and storing an image in a digital form and analyzing the stored image.

DETAILED DESCRIPTION - A method for monitoring a paper web traveling in a paper machine comprises: (i) Imaging a monitored object with a video camera (1), and (ii) storing an image in a digital form and analyzing the stored image, characterized by: (I) defining and delimiting within an image field to be stored a region of interest, as selected; (II) storing in a memory (2m, 3) a digitized picture of the image field constituting a monitored object and containing said delimited image section; and (III) analyzing the delimited image section of the memory-stored digitized image automatically by one or more of the following optional procedures: (a) comparing the delimited image section of the stored image with a similarly delimited image section of an image recorded from an ideal condition; (b) monitoring a change between the sequential images regarding the delimited image section only; or (c) comparing the number of shades of gray within the delimited image section of the stored image with preset limit numbers of shades of gray.

INDEPENDENT CLAIMS are also included for: (i) A system for monitoring a paper web traveling in a paper machine comprising: A video camera photographing a monitored object; and image processing equipment for storing and analyzing an image, characterized above. (ii) A method for monitoring paper pulp and/or a wire traveling in the twin wire section of a paper machine, the object to be monitored in said

method comprising regions of the paper **web** and the wires closely associated with a wire-gap opening point characterized in that the object to be monitored is analyzed and imaged with a video camera (1); **within** the image field to be monitored is defined and delimited a region of interest; a number of digitized images are stored in a memory (2m, 3) from the monitored imaged field each of said images **containing** said region of interest; the delimited image section of a digitized image stored in the memory (2m, 3) is analyzed automatically with an image processing algorithm by utilizing one or more of the following procedures: (a) comparing the delimiting image section of the stored image with a similarly delimited image section of an image **recorded** from an ideal condition; (b) monitoring a change between sequential images regarding the delimited image section; (c) comparing the number of shades of gray **within** the delimited section of the stored image with preset limit numbers of shades of gray; or (d) applying image processing algorithms applicable to **pattern recognition**; and in a mass storage (4) for a subsequent analysis are **recorded** those digitized images in which the above analysis results in a discovery of a variation or change exceeding the present limit. (iii) A system for monitoring paper pulp **web** and/or a wire traveling in the twin wire section of a paper machine comprising a video camera (1) directed for imaging regions of the paper pulp and the wires closely associated with the wire-gap opening point; and image processing equipment for storing and analyzing an image, characterized above.

USE - A method and system for reliable and real-time detection of information about incidents occurring in a paper **web** running in a paper machine, and a twin wire machine.

ADVANTAGE - The method and system can detect problems at an early stage, and can be used for conducting analysis for discovering the source or nature of the problem.

DESCRIPTION OF DRAWING(S) - The diagram shows a monitoring system of the invention in a block diagram, provided with equipment for processing and analyzing a digitized image.

Video camera (1)
Digital signal processor (2)
Internal DSP memory (2m, 3)
pp; 17 DwgNo 1/14

Title Terms: METHOD; SYSTEM; MONITOR; PAPER; **WEB**; PAPER; PULP; WIRE;
PAPER; MACHINE; COMPRISE; IMAGE; MONITOR; OBJECT; VIDEO; CAMERA
Derwent Class: F09; S03; T01; T04
International Patent Class (Main): G01B-011/00; G01N-021/89
International Patent Class (Additional): G06T-007/00
File Segment: CPI; EPI

13/5/27 (Item 25 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012934090 **Image available**
WPI Acc No: 2000-105937/200009
Related WPI Acc No: 1998-465331
XRPX Acc No: N00-081349

Contact intelligence data mining system for detecting contact pathway
for access to public database

Patent Assignee: BOARDWALK AG (BOAR-N)
Inventor: BRUDERER O; DE L'ETRAZ P; FEES C M; FEES J R; HATCHER P
Number of Countries: 086 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9964970	A1	19991216	WO 99IB1090	A	19990611	200009 B
AU 9939515	A	19991230	AU 9939515	A	19990611	200022
EP 1086435	A1	20010328	EP 99922449	A	19990611	200118
			WO 99IB1090	A	19990611	
JP 2002517863	W	20020618	WO 99IB1090	A	19990611	200242
			JP 2000553904	A	19990611	

Priority Applications (No Type Date): US 99245759 A 19990208; NL 981009376
A 19980611

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9964970 A1 E 85 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9939515 A G06F-017/60 Based on patent WO 9964970

EP 1086435 A1 E G06F-017/60 Based on patent WO 9964970

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
LU MC NL PT SE

JP 2002517863 W 102 G06F-017/60 Based on patent WO 9964970

Abstract (Basic): WO 9964970 A1

NOVELTY - The public databases (102a-102c) containing data on members of various entities and private contact database (104c) containing data on personal contacts of user are accessed according to request from user through GUI. The accessed data are processed to generate contact pathway. The contact pathway that includes user's personal contacts and influence of user contacts among plural entities is displayed.

DETAILED DESCRIPTION - The data in the public database is multinational data on members of board of directors of companies. INDEPENDENT CLAIMS are also included for the following:

(a) contact intelligence data mining tool populating method;

(b) disk for storing contact intelligence data mining tool populating software

USE - For generating contact pathway for access of public database like university alumni club, political party organization, trade group, social club, military branch, member of legislature, company board of director.

ADVANTAGE - Enables user to establish and present their contacts by presenting mixture of both public and private data. Facilitates display of contact pathway to enable user to reach desired contacts. Establishes relationship for contacts using public information. Enables access of different spheres of influences for different purposes by using public databases in single or in joint. Facilitates updating of private contact databases reliably. Facilitates protection of each individual's private data by providing various level of securities. Enables establishment of private link between persons or organizations within public database based on proprietary information. Enables generation of contact pathway which is graphical representation of relational patterns between user and entities in public/private databases. Enables usage of contact intelligence data mining tool by various users across WAN.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of contact intelligence data mining system.

Public databases (102a-102c)

Private contact database (104c)

pp; 85 DwgNo 26/29

Title Terms: CONTACT; INTELLIGENCE; DATA; MINE; SYSTEM; DETECT; CONTACT; PATH; ACCESS; PUBLIC; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-017/30; G06F-019/00

File Segment: EPI

13/5/28 (Item 26 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012881772 **Image available**
WPI Acc No: 2000-053606/200004
Related WPI Acc No: 1999-610637; 2003-014916
XRPX Acc No: N00-041751

Data clustering method in database management system used in business organizations

Patent Assignee: MICROSOFT CORP (MICT)
Inventor: BRADLEY P S; FAYYAD U; REINA C
Number of Countries: 021 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9962007	A1	19991202	WO 99US6717	A	19990329	200004 B
EP 1090362	A1	20010411	EP 99914207	A	19990329	200121
			WO 99US6717	A	19990329	
US 6263337	B1	20010717	US 9840219	A	19980317	200142
			US 9883906	A	19980522	

Priority Applications (No Type Date): US 9886410 A 19980522; US 9883906 A 19980522; US 9840219 A 19980317

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9962007	A1	E 53	G06F-017/30	
			Designated States (National): JP US	
			Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE	
EP 1090362	A1	E	G06F-017/30	Based on patent WO 9962007
			Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE	
US 6263337	B1		G06F-017/00	CIP of application US 9840219

Abstract (Basic): WO 9962007 A1

NOVELTY - The need for further accessing of the data for further clustering of **records** in the database, is determined. Based on the determination result, additional number of **records** are read from database memory and stored in the rapid access memory for further updating of cluster model.

DETAILED DESCRIPTION - The data **records** having both discrete and ordered attributes are read from the database memory and a portion of read data **records** is stored in the rapid access memory. The cluster model characterizing the data **within** the database and including a **table** of probabilities for the enumerated or discrete data attributes of data **records** for each cluster, is initialized. The cluster model for ordered data attributes, comprises a mean and covariance for each cluster. The cluster model from the database **records** stored in the rapid access memory, are then updated. For this updating, the **table** of discrete attribute probabilities for cluster is adjusted by calculating a weighted sum of the data **records** stored in the rapid access memory and the weighted sum for data **records** already summarized in the cluster model. The database **records** in the rapid access memory is then summarized and the summarized database are stored **within** the memory. INDEPENDENT CLAIMS are also included for the following:

- (a) data evaluation apparatus for database;
- (b) data clustering software

USE - For data clustering in database management system used in business organization, companies and for statistics, **pattern recognition**, machine learning application and in science and engineering fields. Also in **data mining** applications including marketing, fraud detection in credit cards, banking, telecommunications, customer relation and churn minimization in airlines, telecommunication services, **internet** services, direct marketing on **web** and live marketing in electronic commerce.

ADVANTAGE - Enables **visualizing**, summarizing, navigating and predicting properties of data/clusters in the database, efficiently. The parameters enable to assign database **records** to a cluster in a

probabilistic fashion, reliably. Since the probabilistic clustering enables reliable sampling and indexing, the data accessing efficiency is improved greatly. Enables effective and accurate clustering in one or less database scans. The continuous fields are discretized prior to applying the clustering technique, if the database **contains** both discrete and continuous fields.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the clustering procedure for mixed continuous and discrete data,

pp; 53 DwgNo 7B/9

Title Terms: DATA; METHOD; DATABASE; MANAGEMENT; SYSTEM; BUSINESS

Derwent Class: T01

International Patent Class (Main): G06F-017/00; G06F-017/30

File Segment: EPI

13/5/29 (Item 27 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012448049 **Image available**

WPI Acc No: 1999-254157/199921

Related WPI Acc No: 1997-118634

XRPX Acc No: N99-189240

Data compression method for specific rule based n-bit virtual processor in computer systems

Patent Assignee: GEMINI SYSTEMS INC (GEMI-N)

Inventor: HAROLD M D; MORGAN J M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5893084	A	19990406	US 95419001	A	19950407	199921 B
			US 96725249	A	19961004	

Priority Applications (No Type Date): US 95419001 A 19950407; US 96725249 A 19961004

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5893084	A	41	G06F-017/00	Div ex application US 95419001 Div ex patent US 5600726

Abstract (Basic): US 5893084 A

NOVELTY - The modified data string information appended by additional arguments based on identification, is stored in a memory. The stored data is iterated, until all arguments in the control bits are satisfied and are then sent to a **virtual** command processor to output as a variable length n-bit data type.

DETAILED DESCRIPTION - Arguments for accessing a rule base, is identified from the control bits of an input n-bit data string, which is modified based on the identified compression rule. The variable length n-bit data string of both odd and even numbers of different data types are input and whose length is limited by physical address of the computer. The memory **contains** the data compression rules for processing the input n-bit data string. The memory is connected to the **virtual** command processor by the rule base interface. The rule base interface identifies the specific compression rule according to the argument of the control bits. An INDEPENDENT CLAIM is included for the method of creating a specific purpose **virtual** processor for a **virtual** software processor.

USE - For specific rule based n-bit **virtual** processor for performing data typing, data encryption, compression, arbitrary precision arithmetic, **pattern recognition**, data conversion, artificial intelligence, device driver, data storage and retrieval, digital communication using Huffman coding, arithmetic coding, dictionary based compression, Lempel-Zir coding.

ADVANTAGE - Rule based n-bit arithmetic (RNA) provides greater precision, faster calculation of very large arbitrary precision

numbers. Manipulates n-bit data types and rule based instruction sets. Accepts input in the form of one or more n-bit data types and outputs data in the form of one or more n-bit data types. Use of variable length n-bit data types provides opportunities to create new specific purpose **virtual** computing environments which are capable of performing tasks that are not possible using eight bit technologies.

DESCRIPTION OF DRAWING(S) - The figure in the flow **chart** of loss less data compression process.

pp; 41 DwgNo 4/5

Title Terms: DATA; COMPRESS; METHOD; SPECIFIC; RULE; BASED; N; BIT;

VIRTUAL ; PROCESSOR; COMPUTER; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

13/5/30 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012240090 **Image available**

WPI Acc No: 1999-046198/199904

XRPX Acc No: N99-033698

Telephone number identifying method e.g. for Web - recognising and accessing telephone numbers from Web page with HTML code of accessed Web page is parsed and converted with parsing algorithm applied to text in HTML document pattern recognises telephone numbers

Patent Assignee: INFOGEAR TECHNOLOGY CORP (INFO-N)

Inventor: GIORDANO J

Number of Countries: 074 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9856159	A1	19981210	WO 98US11054	A	19980529	199904 B
ZA 9804535	A	19990224	ZA 984535	A	19980527	199913
AU 9878043	A	19981221	AU 9878043	A	19980529	199919
EP 985310	A1	20000315	EP 98926137	A	19980529	200018
			WO 98US11054	A	19980529	

Priority Applications (No Type Date): US 97868216 A 19970603

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9856159 A1 E 18 H04M-007/00

Designated States (National): AL AU BA BB BG BR CA CN CU CZ EE GE GW HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

EP 985310 A1 E H04M-007/00 Based on patent WO 9856159

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

ZA 9804535 A 15 G06F-000/00

AU 9878043 A H04M-007/00 Based on patent WO 9856159

Abstract (Basic): WO 9856159 A

The method involves parsing an electronic **document** . A telephone number **contained within** an electronic **document** is recognised. The telephone number is converted to an iconic **representation** . The recognising step comprises the steps of ' transparently disconnecting from the session upon selection of the iconified telephone number and calling the telephone number. The termination of the telephone call is recognised and transparently re-connecting to the session. The parsing step includes applying a parsing algorithm to the electronic **document** to **pattern - recognise** a telephone number **contained** in it.

There is also the step of transmitting or **displaying** the electronic **document** with the iconified telephone number to a complementary device. The device is an **Internet** -capable telephone.

There is also the steps of converting an HTML code **representation** of a **Web** page and adding a **representation** that iconifies the recognised telephone number. The HTML code **representation** is translated to another format at either a server or a client device. The iconified telephone number is identified by one of a button surrounding the number, font appearance, underlining, or highlighting.

ADVANTAGE - Allows telephone numbers to be iconified to permit automatic dialling of selected number. Organises telephone numbers to facilitate locating desired number.

Dwg.1/3

Title Terms: TELEPHONE; NUMBER; IDENTIFY; METHOD; **WEB** ; RECOGNISE; ACCESS; TELEPHONE; NUMBER; **WEB** ; PAGE; CODE; ACCESS; **WEB** ; PAGE; CONVERT; PARSE ; ALGORITHM; APPLY; TEXT; **DOCUMENT** ; PATTERN; RECOGNISE; TELEPHONE; NUMBER

Derwent Class: P85; T01; W01

International Patent Class (Main): G06F-000/00; H04M-007/00

International Patent Class (Additional): G06K-000/00; G09G-000/00; H04L-000/00; H04M-001/00

File Segment: EPI; EngPI

13/5/31 (Item 29 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011140710 **Image available**

WPI Acc No: 1997-118634/199711

Related WPI Acc No: 1999-254157

XRPX Acc No: N97-097777

Information data encryption method - identifying specific encryption rules stored in rule-base memory, according to control bits in n-bit input data string which are received from command processor

Patent Assignee: GEMINI SYSTEMS LLC (GEMI-N)

Inventor: HAROLD M D; MORGAN J M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5600726	A	19970204	US 95419001	A	19950407	199711 B

Priority Applications (No Type Date): US 95419001 A 19950407

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5600726	A	40	H04L-009/00	

Abstract (Basic): US 5600726 A

The method involves coupling at least one n-bit data string of input data, as variable n-bit data types. The data string also **contains** bits representing the information data and including control bits to the command processor. Several encryption rules are stored in a rule-based memory, for processing the n-bit data string. A rule-base interface is then coupled between the command processor and the rule-base memory.

The interface is used for identifying specific encryption rules stored in the rule-base memory, according to the control bits in the n-bit input data string which are received from the command processor. The n-bit data string is then modified in accordance with the identified encryption rules, to encrypt the information bits. The encrypted data is transferred to the command processor for output as variable length n-bit types.

USE/ADVANTAGE - E.g. software architecture for implementing specific rule-based n-bit **virtual** machines for data typing, compression, **pattern recognition**, data conversion, data storage and retrieval, digital communications etc. allows rule-base to be stored in different forms, e.g. relational database **table**, C or C++ language header file, object class library, dynamic link library, EPROM assembly language subroutine or microcode instruction set.

Dwg.3/5

Title Terms: INFORMATION; DATA; ENCRYPTION; METHOD; IDENTIFY; SPECIFIC;
ENCRYPTION; RULE; STORAGE; RULE; BASE; MEMORY; ACCORD; CONTROL; BIT; N;
BIT; INPUT; DATA; STRING; RECEIVE; COMMAND; PROCESSOR
Derwent Class: W01
International Patent Class (Main): H04L-009/00
File Segment: EPI

13/5/32 (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004790233

WPI Acc No: 1986-293574/198645

XRPX Acc No: N86-219263

Current travel path displaying appts. e.g. for motor vehicle - has path divided into line segments to effect pattern recognition according to polygonal approximation

Patent Assignee: HONDA GIKEN KOGYO KK (HOND)

Inventor: IIHOSHI A; NAKAMURA Y

Number of Countries: 006 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2174497	A	19861105	GB 869240	A	19860416	198645 B
DE 3613195	A	19861127	DE 3613195	A	19860418	198649
FR 2580839	A	19861024				198649
JP 61243482	A	19861029				198650
GB 2174497	B	19880316				198811
CA 1254628	A	19890523				198925
DE 3613195	C	19900208				199006
US 5016007	A	19910514	US 88277417	A	19881129	199122

Priority Applications (No Type Date): JP 8584929 A 19850419; JP 8584928 A 19850419

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2174497	A		14		

Abstract (Basic): GB 2174497 B

Constantly varying current location of the moving body is successively computed and the current location is successively renewed and **displayed** on a screen, on which a map has been previously **displayed**, according to the data of the location thus computed. The patterns of roads on the map and the travel path of the running body are divided into line segments, respectively, to effect the polygonal approximation. Proposed line segments of the loads are selected according to the characteristic amounts of the line segments of the travel path.

The proposed line segments of a **virtual** road are set when the proposed line segments have not been obtained. **Pattern recognition** is effected to attain the matching of the line segments of the travel path and the corresponding proposed line segments. A **display** of the travel path is produced in accordance with the proposed line segments to which the matching has been attained.

ADVANTAGE - Allows continuous correction of path of travel.

(14pp Dwg.No.1/10

Title Terms: CURRENT; TRAVEL; PATH; **DISPLAY**; APPARATUS; MOTOR; VEHICLE; PATH; DIVIDE; LINE; SEGMENT; EFFECT; PATTERN; RECOGNISE; ACCORD; POLYGONAL; APPROXIMATE

Derwent Class: P85; Q17; S02; W06; X22

International Patent Class (Additional): B60R-016/02; G01C-021/22;

G01S-005/00; G05D-001/02; G06F-003/15; G06F-015/50; G08G-001/12;

G09B-029/10; G09F-009/00; G09G-001/16; H04N-007/18

File Segment: EPI; EngPI

13/5/33 (Item 31 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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003867845

WPI Acc No: 1984-013373/198403

XRPX Acc No: N84-182400

Automotive drum brake lining - has reinforcing fibres inclined to peripheral direction

Patent Assignee: AUTOIPARI KUTATO (AUTO-N)

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
HU 27843	T	19831128				198403 B
DE 3309009	A	19840927	DE 3309009	A	19830314	198440
GB 2164711	A	19860326	GB 8423548	A	19840918	198613
DE 3309009	C	19861023				198643
GB 2164711	B	19890517				198920

Priority Applications (No Type Date): HU 812884 A 19811006; DE 3309009 A 19830314; GB 8423548 A 19840918

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
HU 27843	T		19		

HU 27843 T 19

Abstract (Basic): GB 2164711 A

A brake lining for a drum brake, which lining has a part cylindrical outer surface and an inner surface, wherein the lining is made of a **matrix** material in which there is **embedded** a plurality of sheets that contain reinforcing elements, the elements having a modulus of elasticity that is greater by at least one order of magnitude than that of the **matrix** material, wherein at least 60% (calculated on the basis of the lengths of the elements) of the elements, when projected onto a plane lying, normal to the axis of curvature of the outer surface, form an angle of between 20 deg. and 70 deg. with a line normal to the outer surface.

DE 3309009 A

The brake shoe for a drum brake is provided with friction material (9) which is provided with **embedded** sheet metal plates (4,5). The plates form a **mesh pattern** located at about 45 deg. relative to the friction surface (8).

The two sets of plates (4,5) are made of different metal which have perforations to allow interlocking between them. The improved heat transfer produced by the metal plates prevents friction noise when the brakes are applied.

USE/ADVANTAGE - Brake shoe for heavy vehicle drum brake has **embedded** sheet metal elements to prevent friction noise by improved heat transfer.

(4pp)

Title Terms: AUTOMOTIVE; DRUM; BRAKE; LINING; REINFORCED; FIBRE; INCLINE; PERIPHERAL; DIRECTION

Derwent Class: Q18; Q63

International Patent Class (Additional): B60T-001/00; F16D-065/00; F16D-069/02

File Segment: EngPI

13/5/34 (Item 32 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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003812868

WPI Acc No: 1983-809113/198345

XRPX Acc No: N83-198435

Object or pattern identification using video camera scanning - has horizontal scanning with field defined by keyboard entered polygon path

Patent Assignee: FUJI ELECTRIC MFG CO LTD (FJIE)
Inventor: FUJIHARA N; MIYAGAWA M; OHKI K; TAKAYA M; YAMADA T
Number of Countries: 002 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3315109	A	19831103				198345 B
US 4555801	A	19851126	US 83483505	A	19830411	198550
US 4566126	A	19860121				198606
DE 3315109	C	19920206				199206

Priority Applications (No Type Date): JP 8271500 A 19820430; JP 8271498 A 19820430; JP 8271499 A 19820430

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3315109	A	39		

Abstract (Basic): DE 3315109 A

The object identification system has a keyboard facility (8) that allows the viewing window to be set and identified by a cursor on the **display** screen. The CPU(5) performs linear interpolation to specify the path between points. The results field is defined by a polygonal form.

A video camera (1) is used for scanning and the output is converted into digital form (2) for entry into a data memory (4). The system has a generator (3A) that defines the field of view in terms of the polygon specified by keyboard entry. The generator control the data obtained using an AND gate control stage (4). Both data and generator output are **displayed** on a VDU (7). The scanning is performed on a line by line basis **within** the field specified.

Title Terms: OBJECT; PATTERN; IDENTIFY; VIDEO; CAMERA; SCAN; HORIZONTAL; SCAN; FIELD; DEFINE; KEYBOARD; ENTER; POLYGONAL; PATH

Derwent Class: T04

International Patent Class (Additional): G06K-009/26

File Segment: EPI

14/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07251725 **Image available**
ROBOT OPERATION CONTROL SYSTEM ON NETWORK

PUB. NO.: 2002-120184 [JP 2002120184 A]
PUBLISHED: April 23, 2002 (20020423)
INVENTOR(s): ITAMI YOSHIKAZU
APPLICANT(s): HUMAN CODE JAPAN KK
APPL. NO.: 2000-316635 [JP 2000316635]
FILED: October 17, 2000 (20001017)
INTL CLASS: B25J-013/08; A63H-003/33; A63H-011/00; A63H-030/02

ABSTRACT

PROBLEM TO BE SOLVED: To enable an owner to control the behavior of a robot as desired even in the robot not **incorporating** high-grade arithmetic function.

SOLUTION: When a client swings his/her hand to a real robot 5, a CCD camera built in the robot 5 takes the state as image data. The image data is transmitted by radio to a client terminal 4, and transmitted to a server 2 through an **internet** 1. In the server 2, a client management part 21 specifies which client terminal the image data is sent from with reference to the member data base, and a behavior control information generating part 22 determines that the client **requests** the robot 5 to swing the hand by **pattern recognition**, and outputs the corresponding behavior control information. The behavior control information is sent to the robot 5 through the **internet** 1 and the client terminal 4, and the robot 5 conducts the operation of swinging the hand by function of the built-in behavior software and hardware.

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14/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014573569 **Image available**
WPI Acc No: 2002-394273/200242
XRPX Acc No: N02-309123

Enterprise wide mining through Internet involves generating prediction/recommendation using data mining models
Patent Assignee: ORACLE CORP (ORAC-N); CAMPOS M (CAMP-I); MYCZKOWSKI J (MYCZ-I); TAMAYO P (TAMA-I)

Inventor: CAMPOS M; MYCZKOWSKI J; TAMAYO P
Number of Countries: 096 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200227529	A2	20020404	WO 2001US30021	A	20010927	200242 B
US 20020083067	A1	20020627	US 2000235926	A	20000928	200245
			US 2001963401	A	20010927	
AU 200191248	A	20020408	AU 200191248	A	20010927	200252

Priority Applications (No Type Date): US 2001963401 A 20010927; US 2000235926 P 20000928

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200227529	A2	E	85	G06F-017/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
US 20020083067 A1 G06F-007/00 Provisional application US 2000235926

AU 200191248 A G06F-017/00 Based on patent WO 200227529

Abstract (Basic): WO 200227529 A2

NOVELTY - Data are collected from several data sources and are integrated to generate several data mining models. A prediction/recommendation is generated using the data mining models, in response to a received request.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Computer program product comprising instruction for performing enterprise web mining;

(b) Enterprise web mining system

USE - Enterprise wide data mining through Internet for generating on-line prediction and recommendation.

ADVANTAGE - The methodology and framework adapted in data mining process, allows for generation of high value prediction and recommendation to capture and explain complex behavior and offers improved prediction accuracy.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of methodology and technical framework implemented in enterprise wide data mining system.

pp; 85 DwgNo 10/18

Title Terms: WIDE; MINE; THROUGH; GENERATE; PREDICT; DATA; MINE; MODEL

Derwent Class: T01

International Patent Class (Main): G06F-007/00; G06F-017/00

File Segment: EPI

14/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012637724 **Image available**

WPI Acc No: 1999-443828/199937

XRPX Acc No: N99-331031

A method of determining approximate hamming distance and near neighbors in electronic storage devices

Patent Assignee: TELECORDIA TECHNOLOGIES INC (TELE-N); BELL COMMUNICATIONS RES INC (BELL-N)

Inventor: OSTROVSKY R; RABANI Y

Number of Countries: 021 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9926235	A2	19990527	WO 98US24452	A	19981117	199937 B
US 6226640	B1	20010501	US 9766936	A	19971117	200126
			US 98193207	A	19981117	

Priority Applications (No Type Date): US 9766936 P 19971117; US 98193207 A 19981117

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9926235	A2	E	25	G11B-000/00	
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Designated States (National): CA JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

US 6226640 B1 G06F-017/30 Provisional application US 9766936

Abstract (Basic): WO 9926235 A2

NOVELTY - A set of test strings is built by selecting values of respective bits of each of two strings based on a probability that depends on a first hamming distance. Trace values for each data entry are used to establish the addresses of all data entries whose trace values are within a second hamming distance of the trace value. When

a query is received, data entries are identified which are within a first hamming distance.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of estimating the hamming distance between two strings in a network.

USE - Searching for entries that are near neighbors in electronics storage devices is used in information retrieval, data mining, web search engines, pattern recognition, machine learning, computer vision, data compression and statistical analysis.

ADVANTAGE - The method reduces the size of processing and storage required.

DESCRIPTION OF DRAWING(S) - The figure shows the arrangement of a database in which the method may be used.

pp; 25 DwgNo 2/7

Title Terms: METHOD; DETERMINE; APPROXIMATE; HAMMING; DISTANCE; ELECTRONIC; STORAGE; DEVICE

Derwent Class: T01; T03; W01

International Patent Class (Main): G06F-017/30; G11B-000/00

File Segment: EPI

Set	Items	Description
S1	1455	DATA() (MINING OR SNOOPING OR DREDGING) OR KNOWLEDGE() (DISCOVERY OR MANAGEMENT OR REUSE) OR KDD OR REPORTING SOFTWARE OR (TORTURING(1W) DATA(1W) UNTIL(1W) CONFESSES)
S2	346	OLAM OR (ON(1W) LINE OR ONLINE) () ANALYTICAL() MINING OR AUTOMATED(2W) DISCOVERY OR (BUSINESS OR DATA OR E) () ANALYTICS OR - PATTERN() (FIND? OR LOCATE? OR PINPOINT? OR DETECT? OR DISCOVER? OR FOUND OR IDENTIF? OR RECOGNI?)
S3	35483	INTEGRAT? OR WITHIN OR INSIDE OR CONTAINED OR CONTAINING OR CONTAINS OR COMPOSED OR MAKEUP OR BLEND? OR EMBEDD? OR INCORPORAT?
S4	9137	QUESTION? ? OR QUERY OR QUERIES OR ASK? OR REQUEST? OR INQUIR? OR INTERROGAT?
S5	55685	INTERNET OR WWW OR WEB OR LAN OR WAN OR ELECTRONIC OR NET - OR INTRANET OR ETHERNET OR EXTRANET OR ONLINE OR CYBER OR VIRTUAL? OR DIGITAL?
S6	11	(S1 OR S2) AND (S3(5N) S4) AND S5
S7	13	((S1 OR S2) (5N) S3) AND S4 AND S5 NOT S6
S8	5	S7 NOT PD>19981013

6/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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01797014 DOCUMENT TYPE: Product

PRODUCT NAME: Microsoft SQL Server 2000 Standard & Enterprise (797014)

Microsoft Corp (112127)
1 Microsoft Way
Redmond, WA 98052-6399 United States
TELEPHONE: (425) 882-8080

RECORD TYPE: Directory

CONTACT: Sales Department

Microsoft (R) SQL Server 2000 from Microsoft, Standard and Enterprise Editions, is a relational database server for high performance and data warehousing environments. It combines record-breaking performance with rapid development and deployment tools, a scalable architecture, and complete Web -application integration. SQL Server 2000 can scale to 32 processors in the DataCenter Server Edition and can store datasets up to 64GB in size. The server also provides failover features, disk imaging, Web standard support, XML views, and workload-partitioning. Retrieval features of SQL Server 2000 include XML trees, OLAP actions, full text searching, natural language queries , integrated data mining , URL and HTTP access, Virtual Cube Editor, and column-level collations. Performance features include parallel scans, parallel index builds, and indexed views. Microsoft SQL Server 2000 offers developers and administrators sophisticated tools such as a database copying wizard, Active Directory integration, user-defined functions, advanced triggers such as INSTEAD OF, SAN (storage area network) support, self-tuning, and parallel database verification tools.

DESCRIPTORS: Data Warehouses; Database Management; Database Servers;
Network Software; Office Suites; OLTP; Program Development

HARDWARE: IBM PC & Compatibles
OPERATING SYSTEM: SQL Server; Windows; Windows NT/2000
PROGRAM LANGUAGES: SQL
TYPE OF PRODUCT: Micro
POTENTIAL USERS: Cross Industry, Database Management
PRICE: Available upon request; volume discounts available; educational pricing available; demo disk--\$9.95; Standard Edition, five clients--\$1,489; Developer Edition--\$499 and up
TRAINING AVAILABLE: Internet support; technical support
OTHER REQUIREMENTS: 32MB--Standard, 64MB--Enterprise RAM; Win 9x+ required
REVISION DATE: 020822

6/5/2

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00139482 DOCUMENT TYPE: Review

PRODUCT NAMES: Panorama NovaView 3.0 (114341)

TITLE: Yogic Analysis: The NovaView OLAP Client is Powerful, Flexible...
AUTHOR: Sackett, Larry
SOURCE: Intelligent Enterprise, v5 n9 p52(3) May 28, 2002
ISSN: 1524-3621
HOMEPAGE: <http://www.intelligententerprise.com>

RECORD TYPE: Review

REVIEW TYPE: Review
GRADE: A

Panorama Software Systems' NovaView 3.0 gets excellent scores, especially for a robust suite of **integrated** client and **Web**-based OLAP **query** tools that meet the requirements of the most demanding business analysts. It eases, speeds, and clarifies information generated for executives and managers. For IT professionals, Panorama also bolsters support for large numbers of **LAN**-based desktop applications while retaining security for confidential data. NovaView 3.0 is a full rewrite as a COM-based application; many functions have been moved to thin-client **Web** applications, with security down to the cell level. NovaView 3.0 also leverages the advantages of Microsoft's improvements to OLAP Services, which is now called Analysis Services and packaged with SQL Server 2000. Enhancements include support for new financially centered dimension types, custom roll-ups, write-back functions for budgeting and forecasting dimension- and cell-level security, drill-through, **data mining**, server-based named member sets, and HTTP connections to remote OLAP servers. Many other features expand the functions of Analysis Services, including mapping from inside NovaView, a drill-through feature for choosing fields to be retrieved from a data warehouse fact table, and easy to use wizards for creating filters, calculated members, name sets, and exceptions.

PRICE: \$11000

COMPANY NAME: Panorama Software Systems Ltd (728187)
SPECIAL FEATURE: Charts Screen Layouts
DESCRIPTORS: Budgeting; **Data Mining**; Data Warehouses; Decision Support Systems; Forecasting; IBM PC & Compatibles; Information Retrieval
REVISION DATE: 20021125

6/5/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00137927 DOCUMENT TYPE: Review

PRODUCT NAMES: S-PLUS 6 for Windows (353108)

TITLE: **Insightful S-PLUS for Windows: Motorola Life Sciences Manufactures**
AUTHOR: Stafford, Phillip
SOURCE: DM Review, v12 n2 p64(1) Feb 2002
ISSN: 1067-3717
HOMEPAGE: <http://www.dmreview.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: B

Insightful's S-PLUS 6 for Windows was chosen by Motorola Life Sciences (MLS), a business unit of Motorola, to provide high data analysis throughput for the manufacturing of high-quality semiconductors, signal processing, microfluidics, and embedded systems for life science research, drug development, and clinical diagnostics. S-PLUS also can manage huge databases on local drives and through connections with Oracle 8i. MLS can analyze products immediately after manufacturing and provide feedback to a manufacturing department. S-PLUS is used every day for customary reports and new **data mining** methods. The most compelling and useful technologies in Insightful S-PLUS 6 suite are built-in extensions to the C++ and Java languages. Custom Java-based graphlets are very useful for fast generation and display of data over an **intranet**, and users can also directly **query** Oracle and Access databases from **inside** the programming language. Testers found S-PLUS 6 to be a good performer on UNIX and Windows systems. However, memory management and program speed are insufficient, and

users get errors when they push hardware and software components to their maximum performance.

COMPANY NAME: Insightful Corp (516864)
SPECIAL FEATURE: Charts
DESCRIPTORS: Access; **Data Mining** ; Electronics; IBM PC & Compatibles;
Medical Suppliers; Oracle; Quality Assurance; UNIX; Windows
REVISION DATE: 20020930

6/5/4

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00136148 DOCUMENT TYPE: Review

PRODUCT NAMES: Teoma (073458); Ask Jeeves (743241); Clever (755478)

TITLE: Ask Jeeves solves search query
AUTHOR: Moore, Cathleen
SOURCE: InfoWorld, v24 n1 p15(1) Jan 7, 2002
ISSN: 0199-6649
HOMEPAGE: <http://www.infoworld.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Ask Jeeves' namesake **online** search facility will soon include new Teoma search technology from Teoma Technologies. IBM is also planning to leverage its research to expand **Web data mining**. Teoma technology uses compact mathematical modeling of the **Web**'s structure to generate dynamic queries. When such criteria as popularity and text analysis are used to search, Teoma uses dynamic topic clustering, subject-specific link analysis, and expert identification. Dynamic topic clustering views the **Web** from a local viewpoint, so that Teoma can comprehend the subject matter of **Web** pages. Paul Gardi, VP of Ask Jeeves, points out that the usual methods of search, including text analysis and popularity, have often list junk sites, while Teoma's technology understands subject-specific references to pages and provides the most relevant and authoritative results. **Ask Jeeves** will **integrate** Teoma's search results in **Ask Jeeves** in February 2002, and will syndicate the technology to portals and **Web** sites in 2002. Later in 2002, Teoma will be offered as a site-specific search tool for enterprises. IBM's Clever was the first link analysis search process, a technology that is now used in Google and other search sites. IBM will soon announce new technology that enhances the process of **Web data mining** by using algorithms from Clever and other **data mining** algorithms that emphasize huge scalability.

COMPANY NAME: Teoma Technologies Inc (713481); Ask Jeeves Inc (655708);
IBM Corp (351245)
DESCRIPTORS: **Data Mining** ; Information Retrieval; Natural Languages;
Pattern Recognition ; Search Engines
REVISION DATE: 20020330

6/5/5

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00134510 DOCUMENT TYPE: Review

PRODUCT NAMES: AskMe Enterprise (070076)

TITLE: Tapping Knowledge: P&G deploys knowledge-sharing software to link...

AUTHOR: Moore, Cathleen
SOURCE: InfoWorld, v23 n42 p38(1) Oct 15, 2001
ISSN: 0199-6649
HOMEPAGE: <http://www.infoworld.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Procter & Gamble's enhancement of its employee portal with AskMe Enterprise knowledge-sharing software is described. P&G had been using its Innovation Net portal for four years to give staff working on product development browser-based access to published information, including documents, reports, and data from multiple sources. Although Innovation Net worked well to connect people to knowledge that is documented and available, it was not effectively linking them to subject experts. P&G is a global firm with staff building products around the world, and its workers often had questions and matters to be addressed but did not know exactly where they could find needed expertise. AskMe Enterprise can be integrated to corporate portals and intranets to add qualified experts to a database of information resources. AskMe is highly scalable and also rewards workers who are most diligent in their areas of expertise with distinguished rankings. Project experts are highlighted, which has encouraged creation of a reward system and made experts throughout the company eager to participate. Mike Telljohann, associate director for P&G's technical center, says he and his staff spent significant time on marketing, conversation, and meetings to promote use of AskMe as an advantage to workers throughout P&G.

COMPANY NAME: AskMe Corp Inc (676829)
DESCRIPTORS: Groupware; Intranets; Knowledge Exchanges; Knowledge Management ; Manufacturing; Portals
REVISION DATE: 20020124

6/5/6

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00133047 DOCUMENT TYPE: Review

PRODUCT NAMES: Customer Miner (066397)

TITLE: Data Mining Application Helps BB&T Increase Cross-Sell Ratio
AUTHOR: DeBlasio, Agnes
SOURCE: Bank Systems & Technology, v38 n6 p66(1) Jun 2001
ISSN: 1045-9472
HOMEPAGE: <http://www.banktech.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

A regional bank turned to NuEdge's Customer Miner software, a campaign management software solution, to be able to compete with larger competitors. The software helped the bank in its cross-selling initiatives, and to eliminate inefficiencies and redundant messages being sent to customers from different departments. Previously, because customer information was contained in separate silos of information in multiple departments, it was impossible to gain a complete view of customer needs. The company's project gathered household information and buying patterns, which gave them a better idea of which products to promote to which customers. Customer Miner helped the bank learn more about their customers' demographics, product usage, preferred service channels and more. With the software, they could conduct ad-hoc queries against past promotions, products per household, and other metrics. The software uses thin clients

to connect a relational database that **contains** customer data, then performs **queries** to gain insight into that data. The application sits on a relational database and runs on Windows NT server. Users access the data through thin clients.

COMPANY NAME: NuEdge Systems LLC (711675)
DESCRIPTORS: Advertising; Direct Marketing; **Internet** Marketing; Windows NT/2000
REVISION DATE: 20011130

6/5/7

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00131456 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--Authoria Inc (875031)

TITLE: Authoria's Software Is All About Benefits
AUTHOR: Johnson, Amy Helen
SOURCE: Computerworld, v35 n25 p52(1) Jun 18, 2001
ISSN: 0010-4841
HOMEPAGE: <http://www.computerworld.com>

RECORD TYPE: Review
REVIEW TYPE: Company

Authoria, the developer of 'a **Web** -based self-service application that integrates with back-end human resources systems to provide personalized benefits information,' plans to go international with its product. Authoria is constructing an operation in Europe and hiring global experts on human resources policies and benefits in those countries. U.S. customers include McDonald's, T. Rowe Price Investment Services, and Wells Fargo. Partners include PeopleSoft, Remedy, and SAP AG. Tod Hayes Loofbourrow, president and CEO of Authoria, says Authoria HR's principal advantage is its ability to allow personalized answers to employees' **questions**. Authoria HR **integrates** with PeopleSoft's human resources management database or any Open Database Connectivity (ODBC)-compliant human resources management database to build and output personal profiles. The profiles allow Authoria HR to individualize answers. They can be used in call centers and as a **Web** -based self-service application. When Norwest and Wells Fargo merged, Authoria HR, a **knowledge management** system, was deployed in three months to allow service center representatives to quickly learn the details of the benefit plans of both firms. Authoria HR melds the personal information taken for human resources management (HRM) systems with an often updated knowledgebase of common information, including federal wage regulations and rules governing tax form completion and maternity leave policies.

COMPANY NAME: Authoria Inc (704253)
SPECIAL FEATURE: Charts
DESCRIPTORS: Benefit Administration; Employee Benefits; Human Resource Management; ODBC; Software Marketing
REVISION DATE: 20020819

6/5/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00123188 DOCUMENT TYPE: Review

PRODUCT NAMES: Database Management (830025); Software Selection (839965)

TITLE: DBMS Update: Multifaceted Systems and Powerful Tools Help Meet...

AUTHOR: DeJesus, Edmund X
SOURCE: Government Computer News, v19 n3 p40(3) Feb 7, 2000
ISSN: 0738-4300
HOMEPAGE: <http://www.gcn.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Federal government agencies using databases should consider deploying such technologies and methods, as data warehouses, relational technology, standards, Web access, Extensible Markup Language (XML), analysis, integration, nontraditional data, scalability, English-language queries, mobile access, and long term planning. Data warehouses allow users to employ existing data for many purposes, including decision-making, planning, and analysis. The database chosen should integrate data from many sources. Relational technology eases tasks and choices among support and analysis tools, and important standards include SQL and Microsoft's Open Database Connectivity (ODBC). Java Database Connectivity and SQL Java should be considered if the database is to support Web-enabled access. The database should also be able to monitor Web access by hits, clicks, volume of data accessed, or another measurement. XML allows users to tag data from different sources to provide consistent cross-database information and technology transport. Special purpose database features can perform analyses, including data mining and online analytical processing (OLAP), to find significant patterns in data. Databases used should inter-communicate and interoperate with other databases, and support for nontraditional data can be accomplished with such products as IBM Query by Image Content technology.

COMPANY NAME: Vendor Independent (999999)
SPECIAL FEATURE: Buyers Guides Charts
DESCRIPTORS: Data Warehouses; Database Management; Decision Support Systems; Government; Software Selection; SQL
REVISION DATE: 20000630

6/5/9

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00122943 DOCUMENT TYPE: Review

PRODUCT NAMES: BI Suite 6.0 (718751)

TITLE: BI/Suite 6.0 sharpens business acuity: ...Hummingbird's suite of...
AUTHOR: Fielden, Tim
SOURCE: InfoWorld, v22 n12 p66(1) Mar 20, 2000
ISSN: 0199-6649
HOMEPAGE: <http://www.infoworld.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Hummingbird Communications' BI Suite 6.0 is the latest version of the cross-platform business intelligence suite. Its integrated applications offer businesses query, reporting, and OLAP features and support data from ERP systems, data marts, data warehouses, and relational databases. BI/Broker is the suite's middle-tier server and provides scheduling, license management, session management, load balancing, and connectivity services. BI/Query uses sample data models and graphical features to help users ask the right questions. BI/Query can use data sources such as Microsoft, Oracle, and Sybase and allows users to choose from many presentation styles including maps, tables, charts, and cross-tabs. The suite's OLAP client, BI/Analyze, analyzes data to uncover relationships,

trends, and patterns. It supports multidimensional database management systems such as Microsoft's Microsoft SQL Server 7.0 OLAP Services, Informix's MetaCube, and Hyperion's ESSbase. It also offers mobile OLAP services. BI/ Web 6.0, a thin client included with BI/Broker, provides thin client service to users who connect to business intelligence resources through a company's **intranet** or **extranet**. BI/Suite 6.0 offers all of the important features for business intelligence discovery and performs very well.

COMPANY NAME: Hummingbird Ltd (474967)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Data Marts; Database Utilities; Decision Support Systems;
Groupware; Information Retrieval; **Pattern Recognition**; Thin Clients
REVISION DATE: 20020130

6/5/10

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00117265 DOCUMENT TYPE: Review

PRODUCT NAMES: **ALife-WebGuide 1.0 Windows NT** (759392)

TITLE: Search queries au naturel
AUTHOR: Degnan, Christa
SOURCE: PC Week, v16 n23 p37(1) Jun 7, 1999
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Artificial Life's ALife-WebGuide 1.0, a Windows NT Server application, allows developers to add natural language query support to **Web** sites. Text can be entered from the keyboard or integrated using third-party speech recognition products. A consultant uses ALife-WebGuide on his site to ease information sharing for technology and open source initiatives. He says that site visitors can find what they want faster and that ALife-WebGuide reduces phone traffic. The server agent engages visitors in a conversation **composed** of **questions** and answers, in order to mesh the interest of the user with pertinent information and **Web** content. A knowledge base is mapped to site content and to more information chosen by the user to include in the knowledge base. A knowledge editor is used to develop pertinent questions and replies, and a dialog analysis component reviews user experiences to target the content in which visitors have demonstrated an interest. An administration tool is available for setting up the core components of the speech engine on various site pages. ALife-WebGuide is available in three releases: a free PC demonstration available **online**; ALife-WebGuide 1.0 Professional; and ALife-WebGuide Enterprise. The vendor also plans to release more related products in 1999, among them ALife Smart-Text-Analyzer, a **data mining** tool for **Web** documents; ALife Messenger, which automates e-mail handling; and ALife-SalesRep, a customized release of ALife-WebGuide for **online** selling.

PRICE: \$199

COMPANY NAME: Artificial Life USA Inc (664685)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Artificial Intelligence; Authoring Systems; **Data Mining**;
Electronic Publishing; **Internet Utilities**; Natural Languages;
Program Development; **Web Site Design**; Windows NT/2000
REVISION DATE: 20020618

6/5/11

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00067886

DOCUMENT TYPE: Review

PRODUCT NAMES: SearchManager/2 & Visual Document Library (523798);
Excalibur EFS Electronic Filing Software (300721)

TITLE: IBM Taps Neural Tech

AUTHOR: Johnson, R Colin

SOURCE: Electronic Engineering Times, v805 p40(1) Jul 11, 1994

ISSN: 0192-1541

HOME PAGE: <http://www.eet.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

IBM Corporation's new SearchManager database **query** software will **incorporate** the Excalibur filing system core technology. The integration of neural-based searching will enhance IBM's SearchManager by expanding the search capabilities beyond simple Boolean functions. Excalibur Technologies's Adaptive **Pattern - Recognition** Processing (APRP) is able to support searches based even on misspelled criteria. The current agreement between the two companies provides for the neural technology to be imbedded on AIX and OS/2 client/server systems. An expanded agreement is anticipated in the future, including an implementation for RS/6000.

COMPANY NAME: IBM Corp (351245); Convera (526959)

DESCRIPTORS: Client/server; Electrical Engineering; Electronics; Expert Systems; IBM; Information Retrieval; Network Software; Neural Networks; **Pattern Recognition**

REVISION DATE: 20011130

8/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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02697338 DOCUMENT TYPE: Company

Raging Knowledge Inc (697338)

50 Day St
South Norwalk, CT 06854 United States
TELEPHONE: (203) 838-6665
FAX: (203) 838-1070
HOMEPAGE: <http://www.ragingknowledge.com>
EMAIL: sales@ragingknowledge.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
STATUS: Active

Raging Knowledge Incorporated develops knowledge management products for IT businesses. Its products are designed to enable the transfer of tacit information, allowing businesses to distribute their expertise throughout the enterprise. Its premier product, Global Network, enables businesses to enhance their Web-based support by creating better collaboration forums and building Web portal communities. Global Network allows users to post inquiries. It then finds the individual with the appropriate experience and expertise to answer the inquiry, and distributes the expert's response across the enterprise. Raging Knowledge was founded in 1999.

SALES: NA

DATE FOUNDED: 1999

IMMEDIATE PARENT: Knowledge Management Software (KMS)

PERSONNEL: Reilly, Drew, Chief Executive Officer; Skobe, Andy, Chief Financial Officer; Moore, Roger, VP Business Development; Boley, Jeff, Marketing Director

DESCRIPTORS: Community Building; Knowledge Management
REVISION DATE: 20010530

8/5/2

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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01784664 DOCUMENT TYPE: Product

PRODUCT NAME: KnowledgeMail (784664)

Tacit Knowledge Systems Inc (672955)
990 Commercial St 2nd Floor
Palo Alto, CA 94303 United States
TELEPHONE: (650) 251-2000

RECORD TYPE: Directory

CONTACT: Sales Department

Tacit Knowledge Systems' KnowledgeMail 2.0 extracts words and phrases from e-mail messages and documents, creating searchable business databases. Employees can use KnowledgeMail to find experts across multiple organizational units. KnowledgeMail 2.0 populates a Microsoft SQL database that can be searched with Web browsers. KnowledgeMail integrates with

Microsoft Outlook and Lotus Notes, letting users target **requests**. Security features support employee privacy, letting users anonymously respond to selected **requests**. KnowledgeMail searches by keyword and example, ranks results based on expertise, and updates its database continuously. The system also **integrates** with **knowledge management** portals. KnowledgeMail's scripted account creation simplifies the configuration of multiple user accounts. Its Quick-Start Profiling feature automates the creation of expertise profiles. The system includes the Tacit KnowledgeMail Desktop, Tacit KnowledgeMail for Outlook, Tacit KnowledgeMail for Notes, Tacit KnowledgeMail Portal, Tacit Server 2.0, Tacit E-mail Gateways, Tacit File Gateway, Tacit Server Utilities, and Tacit Server Administration Portal components. The system works with Microsoft **Internet Explorer 4** or higher or Netscape 4 or higher.

DESCRIPTORS: E-Mail; Indexing; Intranets; Knowledge Management; Portals; Search Engines

HARDWARE: IBM PC & Compatibles

OPERATING SYSTEM: Internet Explorer; Netscape; Notes/Domino; Windows NT/2000

PROGRAM LANGUAGES: SQL

TYPE OF PRODUCT: Micro

POTENTIAL USERS: Cross Industry, Large Workgroups

PRICE: Available upon request

OTHER REQUIREMENTS: Explorer 4+ or Netscape 4+ required

REVISION DATE: 020625

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DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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01043648 DOCUMENT TYPE: Product

PRODUCT NAME: IntraKnexa (043648)

Knexa (699012)

322 Water St

Vancouver, BC V6B 1B6 Canada

TELEPHONE: (604) 682-8485

RECORD TYPE: Directory

CONTACT: Sales Department

IntraKnexa (TM) from Knexa is a **knowledge management** product for workgroups **within** any industry. It is an **intranet** -based knowledge sharing application that assists workgroups to create a knowledge repository that incorporates feedback and ratings. IntraKnexa can be integrated into existing systems and is scalable across the entire enterprise. It is designed to provide businesses of any size with easy, secure access to knowledge sharing tools and a collaborative working environment. IntraKnexa is built on open standards and can be accessed from almost any platform. Its features include **question** -and-answer collaborative functions, powerful knowledge asset searching, document management, review and rating of knowledge assets, individual- or group-level security, and personal profiling capabilities.

DESCRIPTORS: Knowledge Management; Groupware; Intranets; Document Management

HARDWARE: Hardware Independent

OPERATING SYSTEM: Open Systems

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Mainframe; Mini; Micro; Workstation

POTENTIAL USERS: Cross Industry, Workgroups

PRICE: Available upon request

SERVICES AVAILABLE: Consulting

REVISION DATE: 020101

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DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00107455 DOCUMENT TYPE: Review

PRODUCT NAMES: Internet (833029); Program Development (830365)

TITLE: A Dialog with Users

AUTHOR: Meserve, Jason J Vaughan, Jack

SOURCE: Application Development Trends, v5 n2 p65(9) Feb 1998

ISSN: 1073-9564

HOMEPAGE: <http://www.spgnet.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Internet development is the next logical step up from client/server. It has significantly changed the way developers work. A survey asked several development managers a set of questions, including how they value their Internet development tools, what are the Internet's benefits, and what were the major obstacles encountered. The survey found that the Internet, Java, and the Web represent a major new delivery medium, and the Internet significantly expands the reach of the application and the enterprise. Both hardware and software vendors are turning their attention to the Internet and releasing new related products. Several applications have been developed that can use the Internet and related technology, including interactive marketing, Internet-based ordering systems, and music delivery. Trade Compass is one example. The company provides Web-based information to the global trading community. The company integrates electronic commerce applications with data mining applications. Another example is Trader Online!, an Internet-based version of a paper-based used car listing. The site has detailed searching ability, and potential buyers can search through as many as 500,000 car listings.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: Internet; Internet Marketing; Internet Utilities;
Program Development; Software Marketing

REVISION DATE: 20020227

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DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00101939 DOCUMENT TYPE: Review

PRODUCT NAMES: DB2 Intelligent Data Miner (653934); HyperParallel (664359); DataBlades (622613); BusinessMiner (663468); Scenario (663441)

TITLE: Data Mining You Can Afford

AUTHOR: Nadile, Lisa

SOURCE: Information Week, v623 p88(5) Mar 24, 1997

ISSN: 8750-6874

HOMEPAGE: <http://www.informationweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

New data mining tools can reduce the complexity and cost of extracting additional value from data warehouses. IBM's Intelligent Miner Toolkit lets users partition very large DB2 databases into related areas such as demographic characteristics, as well as create models that look for trends over time. HyperParallel's HyperParallel offers customizable algorithms that can be plugged into its data mining engine to address specific needs. Its Affinity model can look for relationships between sales of different products, a process known as market-basket analysis. IBM plans to add customizable applications, including Product Discovery and Customer Discovery, that **integrate** with Intelligent Minder. **Data mining** companies Angoss International and NeoVista are working on Informix Software's data mining extensions, Illustra DataBlade, for Informix's Universal Server DBMSs. With the huge potential for rewards from data mining, vendors of desktop **query** and **online** analytical processing (OLAP) tools are adding data mining capabilities to their products. Business Objects released BusinessMiner, and Cognos markets Scenario, two tools designed for design-tree analysis by end users. In the future, **data mining** capabilities may become an **embedded** technology that fuels many applications.

COMPANY NAME: IBM Corp (351245); HyperParallel Inc (630781); Informix Software Inc (110451); Business Objects Inc (527386); Cognos Corp (027294)

DESCRIPTORS: Data Marts; Data Mining; DB2; Decision Support Systems; Demographics; Information Retrieval; Marketing Information; Sales Analysis

REVISION DATE: 20020703